



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION III
CENTRAL REGIONAL LABORATORY
839 BESTGATE ROAD
ANAPOLIS MARYLAND 21401
(301) 266-9190

DATE : May 7, 1991

SUBJECT : Region III Data QA Review

FROM : Theresa A. Simpson
Region III ESAT DPO (3ES23) DS

TO : Paula Retzler
Regional Project Manager (3IHW25)

Attached is the organic data review for the Harvey Knott Site (Case 15838) completed by the Region III Environmental Services Assistance Team (ESAT) contractor under the direction of Region III ESD.

If you have any questions regarding this review, please call me.

Attachment

cc: Russell Meier, VERSAR
Edward Kantor, EMSL-LV
Regional CLP TPO: Debra Szaro Region: I Lab Code: CEIMIC

TID File: 03910218 Task 2352

AR303709



2568A RIVA ROAD
SUITE 300
ANNAPOLIS, MD 21401
PHONE: 301-266-3887

DATE: April 26, 1991

SUBJECT: Organic Data Validation for Case 15838
Site: Harvey Knott

FROM: Laurie S. A. Brown *AB* Don O'Brien *AO*
QAPP Chemist *AB* Organic Data Reviewer
TO: Terry Simpson
ESAT Deputy Project Officer
THRU: Dan Dresser *AD*
ESAT Team Manager *AD*

OVERVIEW

Case 15838 consisted of seven (7) aqueous and two (2) soil samples submitted to CEIMIC for volatiles, semivolatiles and pesticide/PCB analyses. The sample set for this case included one (1) aqueous trip blank, that was analyzed for volatiles only, and two aqueous equipment blanks. The samples were analyzed as a Contract Laboratory Program (CLP) Routine Analytical Service (RAS).

SUMMARY

All samples were successfully analyzed for the complete target compound list. All instrument and method sensitivities were according to the Contract Laboratory Program (CLP) Routine Analytical Service (RAS) protocol.

MAJOR PROBLEM

- o The response factor (RF) for 2-butanone was less than 0.05 in the volatile analyses continuing calibrations. The quantitation limits for this compound have been qualified "R". (See Table I in Appendix F.)

MINOR PROBLEMS

- o The technical holding time for volatiles analysis was exceeded by two days for samples CBE28, CBE31, CBE32 & CBE33. For these four (4) samples the reported results and quantitation limits for the aromatic target compounds were qualified "L" & "UL", unless superseded by "J".

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- o Although no technical holding time has been established for soil samples, during the semivolatile analyses for samples CBE34 & CBE35 (soils), the aqueous extraction holding times were exceeded by three (3) days and the analysis holding times were exceeded by fourteen (14) and eleven (11) days respectively. The reported results and quantitacion limits for these samples were qualified "J" & "UJ".
- o The pesticide analyses of samples CBE28 and CBE31 (aqueous) exceeded the analysis holding time by four (4) days. Although no technical holding time has been established for soil samples for samples CBE34 & CBE35 (soils), the extraction holding times were exceeded by three (3) days and the analysis holding times were exceeded by four (4) days. The quantitation limits for these samples were qualified "J" & "UJ".
- o Several compounds failed precision criteria during the volatiles and semivolatiles initial and continuing calibrations. The quantitation limits were qualified "UJ", unless superseded by the "R" qualifier, and any positive results were qualified "J" unless superseded by the "B" qualifier. (See Table I in Appendix F).
- o For samples CBE28, CBE28MS, CBE28MSD, CBE29, & CBE30, the results for total xylenes were reported as "E", exceeded linear calibration range, but no re-analyses were reported. Results were qualified "J".

NOTES

- o The maximum concentrations of the following compounds were determined in the trip blank, laboratory method blanks or equipment rinsate. All samples with concentrations of common laboratory contaminants less than ten times (<10X), or with concentrations of uncommon laboratory contaminants less than five times (<5X), the blank concentrations have been qualified "B" on the data summary.

<u>Compound</u>	<u>Concentration</u>
Methylene chloride *	3J ug/L
Acetone *	13 ug/L
2-Hexanone	2J ug/L
1,4-dichlorobenzene	48J ug/L

* Common laboratory contaminant

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- o Several non-spiked compounds, other than blank contaminants, were determined in the MS/MSD analyses of samples CBE28 and CBE34. The following table lists the results and precision estimate for those compounds.

<u>Compound</u>	<u>Concentrations (ug/L)</u>			<u>%RSD</u>
	<u>CBE28</u>	<u>MS</u>	<u>MSD</u>	
Ethylbenzene	280L	260	280	4.2
Total xylenes	580J	530E	620E	7.8
2-Nitrophenol	ND	2J	2J	0#
Naphthalene	17	49	35	47.6
2-Methylnaphthalene	ND	3J	2J	40#

<u>Compound</u>	<u>Concentrations (ug/Kg)</u>			<u>%RSD</u>
	<u>CBE34</u>	<u>MS</u>	<u>MSD</u>	
Tetrachloroethene	ND	2J	2J	0#
Naphthalene	460J	ND	800J	51#
Diethylphthalate	1900J	980J	1400	32.3
Di-n-butylphthalate	ND	ND	97J	IN
Butylbenzylphthalate	6000J	3500	3100	37.4
bis(2-Ethylhexyl) phthalate	12000J	7200	3600	55.5
Benzo(b)fluoranthene	ND	ND	84J	IN

ND = Compound was not detected

IN = Value is indeterminate

%RSD = Percent Relative Standard Deviation

= Value is Relative Percent Difference

- o The reported Tentatively Identified Compounds (TIC's) of Appendix D have been reviewed and corrected during data validation. Compounds which were identified as blank contaminants have been crossed off the TIC Form I's. A number of TIC's in samples were identified by the laboratory as blank contaminants but these compounds did not appear on the Form I's for any of the blanks.

All data for Case 15838 were reviewed in accordance with the Functional Guidelines for Evaluating Organic Analyses with Modifications for use within Region III. The text of this report addresses only those problems affecting usability.

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ATTACHMENTS

- 1) Appendix A - Glossary of Data Qualifiers
- 2) Appendix B - Data Summary. These include:
 - (a) All positive results for target compounds with qualifier codes where applicable.
 - (b) All unusable detection limits (qualified "R").
- 3) Appendix C - Results as Reported by the Laboratory for All Target Compounds
- 4) Appendix D - Reviewed and Corrected Tentatively Identified Compounds
- 5) Appendix E - Organic Regional Data Assessment Summary
- 6) Appendix F - Support Documentation

DCN: LB104A02.HK

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Appendix A
Glossary of Data Qualifiers

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GLOSSARY OF DATA QUALIFIER CODES (ORGANIC)

CODES RELATED TO IDENTIFICATION

(confidence concerning presence or absence of compounds):

C = Not detected. The associated number indicates approximate sample concentration necessary to be detected.

(NO CODE) = Confirmed identification.

B = Not detected substantially above the level reported in laboratory or field blanks.

R = Unreliable result. Analyte may or may not be present in the sample. Supporting data necessary to confirm result.

N = Tentative identification. Consider present. Special methods may be needed to confirm its presence or absence in future sampling efforts.

CODES RELATED TO QUANTITATION

(can be used for both positive results and sample quantitation limits):

J = Analyte present. Reported value may not be accurate or precise.

K = Analyte present. Reported value may be biased high. Actual value is expected to be lower.

L = Analyte present. Reported value may be biased low. Actual value is expected to be higher.

UJ = Not detected, quantitation limit may be inaccurate or imprecise.

UL = Not detected, quantitation limit is probably higher.

OTHER CODES

Q = No analytical result.

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Appendix B
Data Summary Forms

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DATA SUMMARY FORM: VOLATILES I

To Name: HARVEY KNOTT

Job #: 15838 Sampling Date(s): 2-4-5-91

WATER SAMPLES

R303717

Page 1 of 12

TO calculate sample quantitation limits
(CQQL = Dilution Factor)

L. COMPOUND	Sample No. Dilution Factor Location	CBE 2.7						CBE 2.8						CBE 2.9						CBE 3.0						CBE 3.1							
		1.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			
Chloroethane																																	
Bromoethane																																	
*Methyl chloride																																	
Chloroethene																																	
*Ethylene chloride																																	
Acetone																																	
Carbon disulfide																																	
*1,1-Dichloroethene																																	
1,1-Dichloroethane																																	
*Total 1,2-Dichloroethene																																	
Chloroform																																	
*1,2-Dichloroethane																																	
*2-Butanone																																	
*1,1,1-Trichloroethane																																	
*Carbon tetrachloride																																	
Methyl Acetate																																	
Bromodichloromethane																																	

L = Contract Required Quantitation Limit

Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS
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DATA SUMMARY FORM: VOLATILES 2

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Sample #: 15838 Sampling Date(s): 2-4, 5-9

DATA SUMMARY FORM: VOLATILES 2

To calculate sample quantitation limits
SCROK = Dilution Factor

Quantity Contract Required Quantification Rule

Action Level Existence

SEE NARRATIVE FOR CODE EXEMPTIONS

revised 07/96

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DATA SUMMARY FORM VOLATILES

ite Name: Harley Knott

so #:15838 Sampling Date(s): 2-5

SOIL SAMPLES

To calculate sample quantitation limit
 $(\text{CRQL} * \text{Dilution Factor}) / ((100 - \% \text{ moisture})/100)$

CROL	COMPOUND	Sample No.		
		Dilution Factor	X Moisture	Location
10	Styrene	1.0	CBE 34	
10	Isobutane	1.0	CBE 35	
10	Vinyl Chloride	1.0		
10	Chloroethane	1.0		
5	Methylene Chloride	1.0		
10	Acetone	1.0		
5	Carbon Disulfide	1.0		
5	1,1-Dichloroethene	1.0		
5	1,1-Dichloroethylene	1.0		
5	Total 1,2-Dichloroethene	1.0		
5	Chloroform	1.0		
5	1,2-Dichloroethane	1.0		
10	z-Butene	1.0		
5	1,1,1-Trichloroethane	1.0		
5	Carbon Tetrachloride	1.0		
10	Vinyl Acetate	1.0		
5	Bromodichloroethane	1.0		

QL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS
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Site Name: WIEDEG KATTE

Site Name: Hancock Knob

DATA SUMMARY FORM: VOLATILES

SOIL SAMPLES

To calculate sample quantitation limit:

$$(\text{CRQL} \times \text{Dilution Factor}) / ((100 - \text{Moisture})/100)$$

Catal.	Compound	Sample No.		
		Dilution Factor	% Moisture	Location
S	1,2-Dichloroethane	SBE 34	1.0	CBE 35
S	Eti-1,3-dichloropropene		1.0	
S	Trichloroethylene		2.1	
S	Dibromoethane		SD-1	
S	1,1,2-Trichloroethane			
S	Benzene			
S	Trans-1,3-dichloropropene			
S	Bromoform			
10	4-Methyl-1,2-pentanone			
10	2-Pentanone			
S	Tetrachloroethylene			
S	1,1,2,2-Tetrachloroethane			
S	Toluene			
S	Chlorobenzene			
S	Ethylibenzene			
S	Styrene			
S	Total xylenes			

CRQL = Contract Required Quantitation Limit

SEE MERRILLING FOR CODE DEFINITIONS
revised 07/90

To Name: HARVEY KURT
 File #: FIR3P Sampling Date(s): 2-4, 5-91

WATER SAMPLES
 (μg/L)

To calculate sample quantitation limits:
 (CQL = Dilution Factor)

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CQL	COMPOUND	Sample No.					
		CBE 2.8	CBE 2.9	CBE 3.0	CBE 3.1	CBE 3.2	CBE 3.3
Dilution Factor	Location	1:0	1:0	1:0	1:0	1:0	1:0
10	Phenol						
10	bis(2-chloroethyl)ether						
10	2-Chloroethanol						
10	*1,1-Dichloroethylene						
10	*1,4-Dichlorobenzene						
10	Benzyl Alcohol						
10	1,2-Dichloroethane						
10	2-Methylbenzene						
10	bis(2-chloroethyl)ether						
10	4-Methylbenzene						
10	Methylisopropylamine						
10	Resorcinol						
10	Methylene						
10	Isopropenyl						
10	2-Mercaptan						
10	2,5-Dimethylfuran						
50	Sugarc Acid						
10	bis(2-chloroethyl)methane						
10	2-Ethylhexanol						
10	1,2,4-Trifluorobutene						
10	Naphthalene						
10	6-Chloroglutamic						

CQL = Contract Required Quantitation Limit

Action Level Exceeded

SEE NARRATIVE FOR CODE DEFINITIONS
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DATA SUMMARY FORM: B M A G 2

WATER SAMPLES

Site Name: HARVEY ALWT
 Case #: 15838 Sampling Date(s): 2-9, 5-9-87

(pg/l.)

To calculate sample quantitation limit:
 (CQL * Dilution Factor)

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CQL	COMPOUND	Sample No. Dilution Factor Location	CBE 28 1:0 GM-1	CBE 27 1:0 GM-2	CBE 30 1:0 GM-3	CBE 31 1:0 2M-1	CBE 32 1:0 E8-1	CBE 33 1:0 E8-2
10	Hexachlorocyclohexene							
10	4-Chloro-3-methylphenol							
10	2-Ethylvinylchlorobutene							
10	Hexachlorocyclopentadiene							
10	2,5-Dichloro-3-phenol							
50	2,4-Dichlorophenol							
10	2-Chloroethyldienebenzene							
50	2-Nitroaniline							
10	Dimethyltrichlorate							
10	Acenaphthylenec							
10	2,6-Dinitrotoluene							
50	3-Nitroaniline							
10	Acenaphthene							
50	2,4-Dinitrophenol							
50	4-Nitrophenol							
10	Dibenzofuran							
10	2,4-Dinitrotoluene							
10	Diisobutyrate							
10	4-Chloro-2-methylphenol							
10	Fluorene							
50	4-Nitrotoluene							
50	4,6-Dinitro-2-methylphenol							

CQL = Contract Required Quantitation Limit

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 Revised 07/9

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1. Its Name: H. APEY KNOTT

DATA SUMMARY FORM: B N A S

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To calculate sample quantitation limits

Sample No.	Distillation Factor	Location
C-10-E-26	C-10-B-21	C-10-B-30
1.0	1.0	1.0
GW-1	GW-2	GW-3
Ketone	Compound	Compound
10	Methylcyclohexylbenzene	
10	4-Bromo-1-phenyl-1-pentene	
10	4-Nitrochlorobenzene	
50	Penta(hydroxyl)	
10	Phenanthrene	
10	Acrylic acid	
10	Di-n-butylphthalate	
10	Ester anhydride	
10	Pyrene	
10	Bis(ethylene)trisulfide	
20	1,3-Dichloro-2-butene	
10	Bis(2-chloroethyl)ether	
10	Chrysene	
10	Bis(2-ethoxyethyl)trisulfide	
10	Di-n-octylphthalate	
10	Succinobutyronitrile	
10	Benzotetraphenonitrile	
10	Benzofuranone	
10	Isobutyl 2,3-dihydropyrene	
10	Dibenz(a,h)undecene	
10	Benzocyclo[4.1.0]heptene	
		115

CRQ = Contract Required Quantitation Limit

Action Level Events

SEE NARRATIVE FOR CODE DEFINITIONS

Site Name: Hopkirk KnottDate #: SEP 30 Sampling Date: 2-5

DATA SUMMARY FORM B N A S I

SOIL SAMPLES

(mg/Kg)

Page 1 of 12To calculate sample quantitation limit
(CRQL * Dilution Factor) / ((1 - % moisture)/160)

APR

CRQL	COMPOUND	Sample No.		Dilution Factor	% Moisture	Location
		C BE 34	C BE 35			
350	Phenol	11.3	11.1			
350	bis(2-chloroethyl)ether	11.3	11.1			
350	2-Chlorophenol	11.3	11.1			
350	1,3-Dichloroethylene	11.3	11.1			
350	1,4-Dichloroethylene	11.3	11.1			
350	Benzyl Alcohol	11.3	11.1			
350	1,2-Dichloroethene	11.3	11.1			
350	2-Hetarylphenol	11.3	11.1			
350	bis(2-chloroisopropyl)ether	11.3	11.1			
350	4-Methylphenol	11.3	11.1			
350	K-Mitroso-di-n-propylamine	11.3	11.1			
350	Ketachloroethane	11.3	11.1			
350	Mitrobenzene	11.3	11.1			
350	Isophorone	11.3	11.1			
350	2-Nitrophenol	11.3	11.1			
350	2,4-Dimethylphenol	11.3	11.1			
1600	Benzoic Acid	11.3	11.1			
350	bis(2-chloroethoxy)methane	11.3	11.1			
350	2,4-Dichlorophenol	11.3	11.1			
350	1,2-Dichloroethylene	11.3	11.1			
350	Kephthalene	11.3	11.1			
350	4-Chloroniline	11.3	11.1			

CRQL = Contract Required Quantitation Limit

e Name: Hawley

Name: HARVEY / Note
150 ft. 150 ft. spanning distance 2-5

DATA SUMMARY FORM U MASS

SOIL SAMPLES

To calculate sample quantitation (R_{sample}) / (CRQL * Dilution Factor) / ((100 - % moisture) / 100)

CROL	Compound	Sample No.		
		Dilution Factor	% Moisture	Location
330	Hexachloroethane	CBE 24 4:5	9.0	
330	4-Chloro-3-methylphenol	18	21	
330	2-Methylmagnesium Benzyl bromide	SD-1	9D-2	
330	Heptachlorocyclohexadecene			
330	2,4,6-Trichlorophenol	1.5	1.2	
1600	2,4,5-Tri-nitrophenol	1.5	1.0	
330	2-Chloronaphthalene	1.5	1.5	
1609	2-Methylnaphthalene	1.5	1.5	
330	Dimethylphthalate	1.5	1.2	
330	Acryaphthylene	1.5	1.1	
330	2,6-Dinitrotoluene	1.5	1.2	
1600	3-Nitroaniline	1.5	1.1	
330	Acenaphthene	1.5	1.1	
1600	2,4-Dinitrophenol	1.5	1.1	
1600	4-Nitrophenol	1.5	1.2	
330	Dibenzofuran	1.5	1.1	
330	2,2-Dinitroethylene	1.5	1.1	
330	Diethylfumarate	1.5	1.2	
330	4-Chloromethylphenylmethyl ether	1.5	1.2	
330	Fluorene	1.5	1.2	
1600	4-Nitroaniline	1.5	1.2	
1600	4,6-Dinitro-2-methylphenol	1.5	1.2	

SEE INTERVIEW FOR CONCISE DESCRIPTION

Page

june 12

DATA SUMMARY FORM: BMAS

Mr. Name: HARVEY KNOTT

To calculate sample quantitation limit:

$$(\text{CRQL} * \text{Dilution Factor}) / ((100 - \text{moisture}) / \text{NDL})$$

Catal.	Complex No.	Sample No. CBE 35	Dilution Factor	
			6.0	1.0
530	4-Hydroxydiphenylamine	1.1		
530	4-Bromodiphenylamine	1.1		
530	Diphenylbenzene	1.1		
1500	Octadecylbenzene	1.1		
530	Benzanthracene	1.1		
530	Anthracene	1.1		
530	Di-n-butylphthalate	1.1		
530	Fluoranthene	1.1		
310	Pyrene	1.1		
530	Butylbenzylphthalate	1.1		
650	3,3'-Bischlorobenzidine	1.1		
530	Benzotriphuthiophene	1.1		
310	Glycane	1.1		
530	Di-2-Ethylhexylphthalate	1.2 000	25000	5
310	Di-n-octylphthalate	1.2	1.1	1.1
530	Benzotribifluoranthene	1.2	1.2	1.2
530	Benzotriphenanthrene	1.2	1.2	1.2
530	Benzotriphenylene	1.2	1.2	1.2
310	Iodine(1,2,3-dihydrone)	1.2	1.2	1.2
530	O-benzo(<i>c</i> , <i>d</i>)biphenyl	1.2	1.2	1.2
530	Benzotriphenylene	1.2	1.2	1.2

WRO = Coverage Required Quantitation Limit

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revised 07/90

DATA SUMMARY FORM: PESTICIDES AND PCB'S

Site Name: HARVEY KURT

Date: 15/3/8 Sampling Date(s): 2-4, 5-9/

WATER SAMPLES
(ug/L)To calculate sample quantitation limit
(CRQL * Dilution Factor)

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ITEM	CROCK	CROCKING	DILUTION FACTOR LOCATION					
			CBE 28 1.0 6P-1	CBE 29 1.0 GW-2	CBE 30 1.0 GW-3	CBE 31 1.0 EW-1	CBE 32 1.0 EB-1	CBE 33 1.0 EB-2
alpha-BHC	U.S.							
beta-BHC	U.S.							
delta-BHC	U.S.							
*gamma-BHC (1 reference)	U.S.							
heptachlor	U.S.							
Asf. In.	U.S.							
heptachlor epoxide	U.S.							
Endosulfan I	U.S.							
Dieldrin	U.S.							
4,4'-DDT	U.S.							
4,4'-DDE	U.S.							
*Heptan	U.S.							
Endosulfan II	U.S.							
4,4'-DD	U.S.							
4,4'-DDT	U.S.							
*Methoxychlor	U.S.							
Epiclorohydrin	U.S.							
*alpha-chlordane	U.S.							
gamma-chlordane	U.S.							
hexachloroethane	U.S.							
Aroclor-1016	U.S.							
Aroclor-1221	U.S.							
Aroclor-1232	U.S.							
Aroclor-1242	U.S.							
Aroclor-1248	U.S.							
Aroclor-1254	U.S.							
Aroclor-1260	U.S.							

*RQL = Contract Required Quantitation Limit

Action Level exists

SEE NARRATIVE FOR CODE DEFINITIONS
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Site Name: Hause

DATA SUMMARY FORM: PESTIDES AND PCB'S

Case #: 15838 Sampling Date(s): 2-2SOIL SAMPLES
(mg/Kg)To calculate sample quantitation limit:
(CRQL * Dilution Factor) / ((100 - % moisture)/100)

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CROL	COMPOUND	Sample No.		Dilution Factor	Location	# Flasks
		CBE 34	CBE 35			
8	#148-BTC	1.1	1.1	1.0		
8	beta-BTC	1.1	1.1	1.0		
8	delta-BTC	1.1	1.1	1.0		
8	gamma-BTC (1,1-dine)	1.1	1.1	1.0		
8	Heptachlor	1.1	1.1	1.0		
8	Aldrin	1.1	1.1	1.0		
8	Heptachlor Epoxide	1.1	1.1	1.0		
5	Endosulfan I	1.1	1.1	1.0		
16	Dieldrin	1.1	1.1	1.0		
16	4,4'-DDT	1.1	1.1	1.0		
16	Endrin	1.1	1.1	1.0		
16	Endosulfan II	1.1	1.1	1.0		
16	4,4'-DDD	1.1	1.1	1.0		
16	Endosulfan Sulfate	1.1	1.1	1.0		
16	4,4'-DDI	1.1	1.1	1.0		
80	Kethonechlor	1.1	1.1	1.0		
16	Endrin Ketone	1.1	1.1	1.0		
80	alpha-Chlordane	1.1	1.1	1.0		
80	gamma-Chlordane	1.1	1.1	1.0		
80	Tetrafluene	1.1	1.1	1.0		
80	Aroclor-1016	1.1	1.1	1.0		
80	Aroclor-1221	1.1	1.1	1.0		
80	Aroclor-1222	1.1	1.1	1.0		
80	Aroclor-1252	1.1	1.1	1.0		
80	Aroclor-1268	1.1	1.1	1.0		
160	Aroclor-1284	1.1	1.1	1.0		
160	Aroclor-1289	1.1	1.1	1.0		

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITION.
Revised 07/90

Appendix C

Results as Reported by the Laboratory
for all Target Compounds

AR303729

VOLATILE ORGANICS ANALYSIS DATA SHEET

REF ID: NO.

Lab Name: CEIMIC CORP Contract: 68D90028 CB627
 Lab Code: CEIMIC Case No.: 15923 SAG No.: SDA No.: CB627
 Matrix (soil/water) WATER Lab Sample ID: 910066-01
 Sample wt/vol: 5.0 g/mL ML Lab File ID: E2992
 Level: (low/med) LOW Date Received: 02/06/91
 % Moisture: not dec. Date Analyzed: 02/12/91
 Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	
74-87-3	Chloromethane	10	10
74-82-3	Bromomethane	10	10
75-01-4	Vinyl Chloride	10	10
75-00-3	Chloroethane	10	10
75-09-1	Methylene Chloride	5	10
67-64-1	Acetone	10	10
75-15-0	Carbon Disulfide	5	10
75-25-4	1,1-Dichloroethene	5	10
75-34-0	1,1-Dichloroethane	5	10
540-83-0	1,2-Dichloroethene (total)	5	10
67-68-3	Chloroform	5	10
107-06-1	1,2-Dichloroethane	5	10
78-90-2	2-Butanone	10	10
71-55-8	1,1,1-Trichloroethane	5	10
56-23-2	Carbon Tetrachloride	5	10
106-05-4	Vinyl Acetate	10	10
78-27-4	Bromodichloromethane	5	10
78-87-2	1,2-Dichloropropane	5	10
10061-01-6	cis-1,3-Dichloropropene	5	10
79-01-6	Trichloroethene	5	10
124-48-1	Dibromochloromethane	5	10
79-00-5	1,1,2-Trichloroethane	5	10
71-43-2	Benzene	5	10
10061-02-6	Trans-1,3-Dichloropropene	5	10
78-25-2	Bromoform	5	10
108-10-1	4-Methyl-2-Pentanone	10	10
591-78-6	2-Hexanone	10	10
127-18-4	Tetrachloroethene	5	10
79-34-5	1,1,2,2-Tetrachloroethane	5	10
108-88-3	Toluene	5	10
108-90-7	Chlorobenzene	5	10
100-41-4	Ethylbenzene	5	10
100-42-5	Styrene	5	10
1330-20-7	Total Xylenes	5	10

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: CEIMAC CCFS Contract: 68090029 CSE28
 Lab Order: CSE28 Case No.: 15828 SAS No.: SDG No.: CSE27
 Matrix: soil/water: WATER Lab Sample ID: 810066-02
 Sample wt/vol: 5.1 g/mL ML Lab File ID: 62948
 Level: (low/med) LOW Date Received: 02/06/91
 % Moisture: not dec. Date Analyzed: 02/13/91
 Column: (pack/cap) PACY Dilution Factor: 2.5

CONCENTRATION UNITS:
($\mu\text{g/L}$ or $\mu\text{g/Kg}$) $\mu\text{g/L}$ Q

74-87-3	Chloromethane	25	10
74-29-8	Bromomethane	25	10
75-01-1	Vinyl Chloride	25	10
75-00-2	Chloroethane	25	10
75-09-2	Methylene Chloride	25	10
87-64-1	Acetone	25	10
75-15-0	Carbon Disulfide	25	10
75-26-4	1,1-Dichloroethane	25	10
75-34-2	1,1-Dichloroethane (total)	25	10
540-59-0	1,1-Dichloroethane (total)	25	10
87-26-2	Chloroform	25	10
107-06-2	1,2-Dichloroethane	25	10
73-90-3	2-Eutanone	25	10
71-55-6	1,1,1-Trichloroethane	25	10
56-12-2	Carbon Tetrachloride	25	10
108-06-4	Vinyl Acetate	25	10
75-27-4	Bromodichloromethane	25	10
78-87-5	1,1,2-Dichloroethane	25	10
10061-01-5	trans-1,2-Dichloropropene	12	10
78-01-6	Trichloroethene	12	10
124-48-1	Dibromochloromethane	12	10
78-00-5	1,1,2-Trichloroethane	12	10
71-43-2	Benzene	50	1
10061-00-8	trans-1,3-Dichloropropene	12	10
75-25-2	Bromoform	12	10
108-10-1	4-Methyl-2-Fantanone	25	10
591-78-6	2-Hexanone	25	10
127-18-4	Tetrachloroethene	12	10
79-34-5	1,1,2,2-Tetrachloroethane	12	10
108-28-3	Toluene	12	10
108-90-7	Chlorobenzene	12	10
100-41-4	Ethylbenzene	250	1
100-42-5	Styrene	12	10
1330-20-7	Total Xylenes	500	10

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBE28

Lab Name: <u>CEIMIC CORP</u>	Contract: <u>68090028</u>	
Lab Code: <u>CEIMIC</u>	Case No.: <u>15838</u>	SAS No.: _____ SDS No.: <u>CBE27</u>
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: <u>910066-02</u>	
Sample wt/vol: <u>1000</u> (g/mL) <u>ML</u>	Lab File ID: <u>D4854</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>02/06/91</u>	
% Moisture: not dev. _____ dev. _____	Date Extracted: <u>02/11/91</u>	
Extraction: (Sep/F/Conc/Sono) <u>SEPF</u>	Date Analyzed: <u>02/21/91</u>	
HPLC Cleanup: (Y/N) <u>N</u>	pH: <u>7.5</u>	Dilution Factor: <u>1.0</u>

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L

109-95-2-----Phenol	10	IU
111-44-4-----bis(2-Chloroethyl)Ether	10	IU
55-27-2-----1-Chlorophenol	10	IU
541-73-1-----1,2-Dichlorobenzene	10	IU
106-46-7-----1,4-Dichlorobenzene	10	IU
100-51-6-----Benzyl Alcohol	10	IU
95-50-1-----1,2-Dichlorobenzene	10	IU
95-48-7-----2-Methylphenol	10	IU
108-30-1-----bis(2-Chloroisopropyl)Ether	10	IU
106-44-6-----4-Methylphenol	10	IU
621-54-7-----N-Nitroso-Di-n-Propylamine	10	IU
67-70-1-----Hexachlorobutane	10	IU
99-99-2-----Nitrobenzene	10	IU
78-59-1-----Isocyanone	10	IU
99-75-5-----2-Nitrophenol	10	IU
106-57-9-----2,4-Dimethylphenol	10	IU
65-85-0-----Benzolic Acid	50	IU
111-91-1-----bis(2-Chloroethoxy)Methane	10	IU
120-83-2-----2,4-Dichlorophenol	10	IU
120-82-1-----1,2,4-Trichlorobenzene	10	IU
91-20-3-----Naphthalene	17	I
106-47-8-----4-Chloroaniline	10	IU
87-28-3-----Hexachlorobutadiene	10	IU
59-50-7-----4-Chloro-3-Methylphenol	10	IU
91-57-6-----2-Methylnaphthalene	10	IU
77-47-4-----Hexachlorocyclopentadiene	10	IU
08-06-2-----2,4,6-Trichlorophenol	10	IU
95-95-4-----2,4,5-Trichlorophenol	50	IU
91-58-7-----2-Chloronaphthalene	10	IU
88-74-4-----2-Nitroaniline	50	IU
131-11-3-----Dimethyl Phthalate	10	IU
208-96-8-----Acenaphthylene	10	IU
606-20-2-----2,6-Dinitrotoluene	10	IU

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SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

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CBE2B

Lab Name: CEIMIC CCP Contract: 68D90029
 Lab Code: CEIMIC Case No.: 15329 SAS No.: _____ SDG No.: CBE27
 Matrix: (soil/water) WATER Lab Sample ID: 910066-02
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: D4854
 Level: (low/med) LOW Date Received: 02/06/91
 % Moisture: not dec. _____ dec. _____ Date Extracted: 02/11/91
 Extraction: (Soxh/Cont/Sonic) SEXP Date Analyzed: 02/21/91
 GPC Cleanup: (Y/N) N pH: 7.5 Dilution Factor: 1.0

CONCENTRATION UNITS:
(mg/L or mg/Kg) $\mu\text{G/L}$

99-09-2-----2-Nitroaniline	50	IU
80-32-8-----Acenaphthene	10	IU
51-29-5-----2,4-Dinitrophenol	50	IU
100-02-7-----4-Nitrophenol	50	IU
132-64-3-----Dibenzofuran	10	IU
121-14-2-----2,4-Dinitrooluene	10	IU
84-66-2-----Diethylphthalate	10	IU
7005-72-2-----4-Chlorophenyl-phenylether	10	IU
86-70-7-----Fluorane	10	IU
100-01-6-----4-Nitroaniline	50	IU
534-52-1-----4,6-Dinitro-2-Methylphenol	50	IU
96-30-6-----N-Nitrosodiphenylamine (1)	10	IU
101-55-3-----4-Bromononyl-phenylether	10	IU
118-74-1-----Hexachlorobenzene	10	IU
97-86-5-----Pentachlorophenol	50	IU
35-01-8-----Phenanthrene	10	IU
120-12-7-----Anthracene	10	IU
84-74-2-----Di-n-Butylphthalate	10	IU
206-44-0-----Fluoranthene	10	IU
129-00-0-----Pyrene	10	IU
85-58-7-----Butylbenzylphthalate	10	IU
91-94-1-----3,3'-Dichlorobenzidine	20	IU
56-55-3-----Benzo(a)Anthracene	10	IU
218-01-9-----Chrysene	10	IU
117-81-7-----bis(2-Ethylhexyl)Phthalate	10	IU
117-84-0-----Di-n-Octyl Phthalate	10	IU
205-99-2-----Benzo(b)Fluoranthene	10	IU
207-08-9-----Benzo(k)Fluoranthene	10	IU
50-32-8-----Benzo(a)Pyrene	10	IU
193-39-5-----Indeno(1,2,3-cd)Pyrene	10	IU
53-70-3-----Dibenz(a,h)Anthracene	10	IU
191-24-2-----Benzog(h,i)Perylene	10	IU

(1) - Cannot be separated from Diphenylamine

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CEMICO CORP Contract: 63090029 EPA Sample No.: CBE29
 Lab Code: 151100 Case No.: 15003 SAS No.: _____ SOR No.: CBE27
 Matrix: soil/water Water Lab Sample ID: 310066-03
 Sample wt/vol: 15.0 mg/mL ML Lab File ID: E2926
 Level: low/med Low Date Received: 02/06/91
 % Moisture: not det. Date Analyzed: 02/12/91
 Column: (pack/cap) 6ACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L		Q
74-87-3	Chloromethane	10	10	
74-88-9	Bromomethane	10	10	
75-01-4	Vinyl Chloride	10	10	
75-00-2	Chloroethane	10	10	
75-04-1	Methylene Chloride	5	10	
67-64-1	Azotine	10	10	
75-15-0	Carbon Disulfide	5	5	
78-28-4	1,1-Dichloroethene	5	10	
78-34-2	1,1-Dichloroethane	5	10	
640-59-0	1,1,2-Dichloroethene (total)	5	10	
67-86-3	Chlroform	5	10	
107-08-2	1,1,2-Dichloroethane	3	10	
78-93-3	2-Butanone	10	10	
71-55-2	1,1,1-Trichloroethane	5	10	
56-13-5	Carbon Tetrachloride	5	10	
108-05-4	Vinyl Acetate	10	10	
75-17-4	Bromodichloromethane	5	10	
78-37-3	1,1,2-Dichloroopropane	5	10	
10061-01-8	cis-1,3-Dichloropropene	5	10	
79-01-6	Trichloroethene	5	10	
124-48-1	Dibromochloromethane	5	10	
78-00-5	1,1,2-Trichloroethane	5	10	
71-43-2	Benzene	3	10	
10061-02-6	Trans-1,3-Dichloropropene	5	10	
78-28-2	Bromoform	5	10	
108-10-1	4-Mesyl-2-Pentanone	10	10	
531-78-8	2-Hexanone	10	10	
127-18-4	Tetrachloroethene	5	10	
79-34-5	1,1,2,2-Tetrachloroethane	5	10	
108-38-3	Toluene	2	10	
108-90-7	Chlorobenzene	5	10	
100-41-4	Ethylbenzene	74	1	
100-42-5	Styrene	5	10	
1230-20-7	Total Xylenes	370	10	

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PENTHOXIE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBE29

Lab Name: CIMIC CORP Contract: 62020029

Lab Order: CEM100 Case No.: 15000 SAG No.: SDG No.: 02027

Matrix: Soil/Water WATER Lab Sample ID: B10068-00

Sample wt/vol: 1000 (g/mL) ML Lab File ID:

Level: Low/med Low Date Received: 02/06/91

% Maturing: not dec. dec. Date Extracted: 02/11/91

Extraction: (SorB/Chloroform) SORB Date Analyzed: 02/20/91

HPLC Cleanup: UV/OD N RT: 7.5 Dilution Factor: 1

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
210-64-6	-alpha-Hydroxy-	0.05010	
210-65-7	-beta-Hydroxy-	0.05010	
210-66-8	-gamma-Hydroxy-	0.05010	
78-63-1	-gamma-Hydroxy- <u>beta</u> -Hindane	0.05010	
76-44-8	-alpha-Hydroxy-	0.05010	
210-10-1	-alpha-Hydroxy-	0.05010	
1201-27-2	-alpha-Hydroxy- <u>beta</u> -Ketone	0.05010	
652-66-2	-alpha-Hydroxy- <u>beta</u> -Ketone	0.05010	
61-37-1	-alpha-Hydroxy-	0.1010	
70-23-0	-alpha-Hydroxy- <u>beta</u> -Ketone	0.1010	
70-24-2	-alpha-Hydroxy-	0.1010	
62212-12-9	-alpha-Hydroxy- <u>beta</u> -Ketone	0.1010	
71-64-1	-alpha-Hydroxy- <u>beta</u> -Ketone	0.1010	
1201-07-8	-alpha-Hydroxy- <u>beta</u> -Ketone	0.1010	
61-29-3	-alpha-Hydroxy- <u>beta</u> -Ketone	0.1010	
72-42-5	-alpha-Hydroxy-	0.5010	
52464-70-5	-Androstan- <u>beta</u> -ketone	0.1010	
5102-71-9	-alpha-Chlordane	0.5010	
5103-74-2	-gamma-Chlordane	0.5010	
8001-35-2	-Tetraachene	1.010	
12374-11-2	-Aroclor-1016	0.5010	
11104-28-2	-Aroclor-1021	0.5010	
11111-18-5	-Aroclor-1021	0.5010	
23433-21-9	-Aroclor-1242	0.5010	
12272-29-6	-Aroclor-1248	0.5010	
11057-88-1	-Aroclor-1254	1.010	
11096-22-5	-Aroclor-1260	1.010	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBE29

Lab Name: CEIMIC CORP Contract: 68D90028

Lab Code: CBE29 Case No.: 15538 SAS No.: SDG No.: CBE27

Matrix: (solid/water) WATER Lab Sample ID: 910066-03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A6881

Level: (low/med) LOW Date Received: 02/06/91

% Moisture: not det. det. Date Extracted: 02/11/91

Extraction: (Sep/F/Cont/Solu.) SERF Date Analyzed: 02/20/91

GPC Cleanup: (Y/N) N pH: 5.6 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
108-85-2	Phenol	10	uU
111-44-4	bis(2-Chloroethyl)Ether	10	uU
95-57-8	1-Chloronanol	10	uU
541-73-1	1,3-Dichlorobenzene	10	uU
106-46-7	1,4-Dichlorobenzene	10	uU
100-51-8	Benzyl Alcohol	10	uU
95-50-1	1,2-Dichlorobenzene	10	uU
95-48-7	1-Methylbenzenol	1	IJ
108-50-1	bis(2-Chloroisopropyl)Ether	10	uU
106-44-5	4-Methylphenol	10	uU
621-64-7	N-Nitroso-Di-n-Propylamine	10	uU
67-72-1	Hexachloroethane	10	uU
98-95-3	Nitrobenzene	10	uU
79-59-1	Isochalcone	10	uU
28-73-5	2-Nitrophenol	10	uU
106-57-9	2,4-Dimethylphenol	10	uU
65-85-0	Benzolic Acid	50	uU
111-91-1	bis(2-Chloroethoxy)Methane	10	uU
120-83-2	2,4-Dichlorophenol	10	uU
120-82-1	1,2,4-Trichlorobenzene	10	uU
91-20-3	Naphthalene	10	I
106-47-8	4-Chloraniline	10	uU
87-68-3	Hexachlorobutadiene	10	uU
59-50-7	4-Chloro-3-Methylphenol	10	uU
91-57-8	2-Methylnaphthalene	10	uU
77-47-4	Hexachlorocyclopentadiene	10	uU
88-06-2	2,4,6-Trichlorophenol	10	uU
95-95-4	2,4,5-Trichlorophenol	50	uU
91-58-7	2-Chloronaphthalene	10	uU
88-74-4	2-Nitroaniline	50	uU
131-11-3	Dimethyl Phthalate	10	uU
208-96-8	Acanaphthylene	10	uU
606-20-2	2,6-Dinitrotoluene	10	uU

SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Lab Name: CEIMIC CORP Contract: 68090029 C9E29
 Lab Code: CEIMIC Case No.: 15808 SAS No.: SDG No.: C9E27
 Matrix: (soil/water) WATER Lab Sample ID: 910066-03
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: A6881
 Level: (low/med) LOW Date Received: 02/06/91
 % Moisture: not dec. dec. Date Extracted: 02/11/91
 Extraction: (Sep/F/Cont/Sonic) SFC Date Analyzed: 02/20/91
 GPC Cleanup: (Y/N) N pH: 6.6 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
98-08-0	3-Nitroaniline	50	IU
83-32-9	Acenaphthene	10	IU
51-28-5	2,4-Dinitrobenzal	50	IU
130-02-7	4-Nitrobenzal	50	IU
122-64-9	Dibenzofuran	10	IU
121-14-2	2,4-Dinitrooluene	10	IU
84-56-2	Diethylbenzalate	4	IJ
7005-72-0	4-Chlorophenyl-phenylether	10	IU
26-72-7	Fluorane	10	IU
100-01-6	4-Nitroaniline	50	IU
894-52-1	4,6-Dinitro-2-Methylphenol	50	IU
36-30-6	N-Nitrosodiphenylamine (1)	10	IU
101-53-3	4-Bromophenyl-phenylether	10	IU
112-74-1	Hexachloroethane	10	IU
87-86-5	Pentachloroethene	50	IU
85-01-8	Phenanthrene	10	IU
120-12-7	Anthracene	10	IU
84-74-2	Di-n-Butylphthalate	10	IU
206-44-0	Fluoranthene	10	IU
128-00-0	Pyrene	10	IU
85-68-7	Di-n-Butylbenzylphthalate	10	IU
21-94-1	3,3'-Dichlorobenzidine	20	IU
56-55-3	Benzo(a)Anthracene	10	IU
218-01-9	Chrysene	10	IU
117-91-7	bis(2-Ethylhexyl)Phthalate	10	IU
117-94-0	Di-n-Octyl Phthalate	10	IU
205-99-2	Benzo(b)Fluoranthene	10	IU
207-08-0	Benzo(k)Fluoranthene	10	IU
50-32-8	Benzo(a)Pyrene	10	IU
193-99-5	Indeno(1,2,3- <i>cd</i>)Pyrene	10	IU
53-70-3	Dibenz(a,h)Anthracene	10	IU
181-24-2	Benzo(g,h,i)Perylene	10	IU

(1) - Cannot be separated from Diphenylamine

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBE29

Lab Name: CEMICO CORP Contract #: 22090029

Lab Order: CBE29 Case No.: 15329 SAG No.: SDB No.: CBE27

Matrix: Soil/Water/Water Lab Sample ID: 910066-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID:

Level: Low/med LCN Date Received: 02/06/91

% Moisture: not dec. dec. Date Extracted: 02/11/91

Extraction: (SesF/Cont/Sono) 8555 Date Analyzed: 02/16/91

HPLC Classify: Y/N N pH: 6.5 Dilution Factor: 1

CONCENTRATION UNITS:

CGC NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
	210-24-6-----alpha-BHC	0.050IU	
	210-25-7-----beta-BHC	0.050IU	
	210-26-8-----delta-BHC	0.050IU	
	53-98-9-----gamma-BHC (Lindane)	0.050IU	
	71-44-8-----heptachlor	0.050IU	
	210-14-1-----heptachlor epoxide	0.050IU	
	11114-57-3-----heptachlor epoxide	0.050IU	
	655-38-8-----Endosulfan I	0.050IU	
	81-57-1-----Heptachlor	0.10IU	
	71-22-5-----4,4'-DDT	0.10IU	
	71-40-6-----Endrin	0.10IU	
	22112-42-8-----Endosulfan II	0.10IU	
	71-74-3-----4,4'-DDD	0.10IU	
	1002-47-2-----Endosulfan sulfate	0.10IU	
	50-29-3-----4,4'-DDT	0.10IU	
	71-40-2-----Methoxychlor	0.50IU	
	53464-70-6-----Endrin ketone	0.10IU	
	5102-71-9-----alpha-Chlordane	-0.50IU	
	5102-74-2-----gamma-Chlordane	0.50IU	
	6001-28-2-----Toxaphene	1.0IU	
	12374-11-1-----Aroclor-1016	0.50IU	
	11104-28-2-----Aroclor-1221	0.50IU	
	11141-18-5-----Aroclor-1232	0.50IU	
	53463-21-9-----Aroclor-1242	0.50IU	
	12371-29-8-----Aroclor-1248	0.50IU	
	11087-69-1-----Aroclor-1254	1.0IU	
	11093-92-5-----Aroclor-1260	1.0IU	

IA
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBEB30

Lab Name: CEMISIC CORP Contract: 62920029
 Case No.: 15006 SAB No.: _____ SAB No.: CBEB27
 Matrix: (solid/water) WATER Lab Sample ID: 610066-04
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: E2837
 Level: (low/med) L2W Date Received: 02/06/91
 % Moisture: not dec. Date Analyzed: 02/12/91
 Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
74-87-3	Chloromethane	10	10
74-82-3	Bromomethane	10	10
75-01-4	Vinyl Chloride	10	10
75-00-2	Chloroethane	10	10
75-00-1	Methylene Chloride	8	10
67-64-1	Acetone	10	10
78-15-0	Carbon Disulfide	5	10
75-25-4	1,1-Dichloroethene	5	10
75-24-3	1,1-Dichloroethane	5	10
540-69-0	1,2-Dichloroethene (total)	5	10
67-65-3	Chloroform	5	10
107-06-2	1,2-Dichloroethane	3	10
78-60-2	1,2-Butanone	10	10
71-52-6	1,1,1-Trichloroethane	5	10
56-10-2	Carbon Tetrachloride	5	10
108-05-4	Vinyl Acetate	10	10
75-27-4	Bromodichloromethane	5	10
78-87-5	1,2-Dichloropropane	5	10
10081-01-8	cis-1,2-Dichloropropene	5	10
79-01-6	Trichloroethene	5	10
124-48-1	Dibromochloromethane	5	10
79-00-5	1,1,2-Trichloroethane	5	10
71-43-2	Benzene	8	10
10081-02-6	Trans-1,3-Dichloropropene	5	10
78-25-2	Bromoform	5	10
108-10-1	4-Methyl-2-Fentanone	10	10
531-78-6	2-Hexanone	10	10
127-18-4	Tetrachloroethene	5	10
78-24-5	1,1,2,2-Tetrachloroethane	5	10
108-88-3	Toluene	2	10
108-90-7	Chlorobenzene	5	10
100-41-4	Ethylbenzene	76	10
100-42-5	Styrene	5	10
1330-20-7	Total Xylenes	360	10

FORM I VOA

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SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET

CBE30

Lab Name: CEIMIC CORP Contract: 68090028

Lab Code: CBE30 Case No.: 15229 SAS No.: SDG No.: CBE27

Matrix: (soil/water) WATER Lab Sample ID: 210066-04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A6882

Level: (low/med) LOW Date Received: 02/06/91

% Moisture: not dec. dec. Date Extracted: 02/11/91

Extraction: (Sep/F/Cont/Sonic) SOPF Date Analyzed: 02/20/91

GPC Cleanup: (Y/N) N pH: 6.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
108-86-2	Phenol	10	uU
111-14-4	bis(2-Chloroethyl)Ether	10	uU
95-57-2	2-Chlorobenzol	10	uU
541-70-1	1,2-Dichlorobenzene	10	uU
106-46-7	1,4-Dichlorobenzene	10	uU
100-51-6	Benzyl Alcohol	10	uU
95-50-1	1,2-Dichlorobenzene	10	uU
95-48-7	2-Methylphenol	10	uU
108-50-1	bis(2-Chloroisopropyl)Ether	10	uU
106-44-5	4-Methylphenol	10	uU
621-64-7	N-Nitroso-Di-n-Propylamine	10	uU
67-73-1	Hexachlorocethane	10	uU
98-95-2	Nitrobenzene	10	uU
73-29-1	Iscophorone	10	uU
29-78-5	2-Nitrophenol	10	uU
105-67-9	2,4-Dimethylphenol	10	uU
65-85-0	Benzoic Acid	50	uU
111-91-1	bis(2-Chloroethoxy)Methane	10	uU
120-83-2	2,4-Dichlorophenol	10	uU
120-82-1	1,2,4-Trichlorobenzene	10	uU
91-20-3	Naphthalene	6	uU
106-47-8	4-Chloroaniline	10	uU
87-58-3	Hexachlorobutadiene	10	uU
59-50-7	4-Chloro-3-Methylphenol	10	uU
91-57-6	2-Methylnaphthalene	10	uU
77-47-4	Hexachlorocyclopentadiene	10	uU
88-06-2	2,4,6-Trichlorophenol	10	uU
95-95-4	2,4,5-Trichlorophenol	50	uU
91-50-7	2-Chloronaphthalene	10	uU
88-74-4	2-Nitroaniline	50	uU
131-11-3	Dimethyl Phthalate	10	uU
208-96-9	Arenaphthylene	10	uU
606-20-2	2,6-Dinitrotoluene	10	uU

SEMIVOLATILE ORGANIC ANALYSES FORM 1

Lab Name: CEIMIC CORP Contract: 68D90028 CBE30
 Lab Code: CBE27 Case No.: 15238 SAS No.: SDG No.: CBE27
 Matrix: (solid/water) WATER Lab Sample ID: 910066-04
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: A6282
 Level: (low/med) LOW Date Received: 02/06/91
 % Moisture: not det. dec. Date Extracted: 02/11/91
 Extraction: (SesF/Cant/Sond) SESF Date Analyzed: 02/20/91
 GPC Cleanup: (Y/N) N pH: 5.7 Dilution Factor: 1.0

CONCENTRATION UNITS:
CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

99-09-2-----2-Nitroaniline	50	IU
63-32-9-----Acenaphthene	10	IU
51-28-5-----2,4-Dinitrophenol	50	IU
100-02-7-----4-Nitrophenol	50	IU
122-64-2-----Dibenzofuran	10	IU
121-14-2-----2,4-Dinitrotoluene	10	IU
94-86-2-----Diethylphthalate	2	IJ
7005-72-2-----4-Chloroanenyl-phenylether	10	IU
86-72-7-----Fluorene	10	IU
100-01-6-----4-Nitroaniline	50	IU
534-52-1-----4,6-Dinitro-2-Methylphenol	50	IU
66-30-2-----N-Nitrosodiphenylamine (1)	10	IU
101-55-2-----4-Bromophenyl-phenylether	10	IU
118-74-1-----Hexachlorobenzene	10	IU
97-86-5-----Pentachlorophenol	50	IU
85-01-3-----Phenanthrene	10	IU
120-12-7-----Anthracene	10	IU
84-74-2-----Di-n-Butylphthalate	10	IU
206-44-0-----Fluoranthene	10	IU
128-00-0-----Pyrene	10	IU
85-62-7-----Butylbenzylphthalate	10	IU
81-94-1-----3,3'-Dichlorobenzidine	20	IU
58-55-3-----Benz(a)Anthracene	10	IU
218-01-9-----Chrysene	10	IU
117-81-7-----bis(2-Ethylhexyl)Phthalate	10	IU
117-84-0-----Di-n-Octyl Phthalate	10	IU
205-99-2-----Benzo(b)Fluoranthene	10	IU
207-08-9-----Benzo(k)Fluoranthene	10	IU
50-32-8-----Benzo(a)Pyrene	10	IU
193-39-5-----Indeno(1,2,3-cd)Pyrene	10	IU
53-70-3-----Dibenz(a,h)Anthracene	10	IU
191-24-2-----Benz(g,h,i)Perylene	10	IU

(1) - Cannot be separated from Diphenylamine

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FORM I SV-2

AR303741

PESTICIDE SCREENING ANALYSIS DATA SHEET

Lab Name: CEIMIC CORP Contract: 63060009 | CSE30
 Lab Code: CSE30 Case No.: 15526 SAS No.: SDG No.: CSE30
 Matrix: soil/water Water Lab Sample ID: 910063-A
 Sample wt/vol: 1000 (g/mL) ml Lab File ID:
 Level: low/med Low Date Received: 02/06/91
 % Moisture: not dec. dec. Date Extracted: 02/11/91
 Extraction: AcetP/Cint/Sono 8880 Date Analyzed: 03/16/91
 EPC Cleanup: (Y/N) N pH: 6.7 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	(ug/L)
210-84-6-----alpha-BHC		0.0501U	
210-85-7-----beta-BHC		0.0501U	
210-86-8-----delta-BHC		0.0501U	
210-87-9-----gamma-BHC	Chlordane	0.0501U	
210-88-0-----heptachlor		0.0501U	
210-89-1-----heptachlor epoxide		0.0501U	
210-90-2-----Endosulfan I		0.0501U	
210-91-3-----Endosulfan II		0.101U	
210-92-4-----4,4'-DDT		0.101U	
210-93-5-----Endrin		0.101U	
210-94-6-----Endrin		0.101U	
220-12-6E-9-----Endosulfan II		0.101U	
220-13-7-----4,4'-DDE		0.101U	
220-14-8-----Endosulfan sulfate		0.101U	
220-15-9-----4,4'-DDT		0.101U	
220-16-3-----Methoxychlor		0.501U	
224-8-70-5-----Endrin ketone		0.101U	
230-71-9-----alpha-Chlordane		0.501U	
230-74-2-----gamma-Chlordane		0.501U	
26001-26-2-----Tokaphane		1.01U	
12274-11-3-----Aroclor-1016		0.501U	
111104-19-3-----Aroclor-1121		0.501U	
111141-18-5-----Aroclor-1222		0.501U	
52462-21-9-----Aroclor-1242		0.501U	
12272-26-8-----Aroclor-1248		0.501U	
11097-62-1-----Aroclor-1254		1.01U	
11098-62-5-----Aroclor-1260		1.01U	

IA
VOLATILE ORGANIC ANALYSIS DATA SHEET

24H SAMPLE NO.

Lab Name: <u>CEMICO CORP</u>	Contract #: <u>68D80028</u>	<u>C8E21</u>
Lab Code: <u>CEMICO</u>	Case No.: <u>15328</u>	SAC No.: _____ SAC No.: <u>C8E27</u>
Matrix: (solid/water) <u>Water</u>	Lab Sample ID: <u>910066-08</u>	
Sample wt/vol: <u>5.0 (g/mL) ML</u>	Lab File ID: <u>E2845</u>	
Level: (low/med) <u>LCH</u>	Date Received: <u>02/06/91</u>	
% Moisture: not dec.	Date Analyzed: <u>02/13/91</u>	
Column: (pack/cap) <u>PACK</u>	Dilution Factor: <u>1.0</u>	

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
74-87-3	Chloromethane	10	10
74-82-8	Bromomethane	10	10
75-01-4	Vinyl Chloride	10	10
75-00-3	Chloroethane	10	10
75-08-2	Methylene Chloride	5	10
67-64-1	Acetone	10	10
75-15-0	Carbon Disulfide	5	10
75-35-1	1,1-Dichloroethene	5	10
75-34-2	1,1-Dichloroethane	5	10
540-59-0	1,2-Dichloroethene (total)	5	10
67-66-3	Chloroform	5	10
107-06-2	1,2-Dichloroethane	5	10
78-80-3	2-Butanone	10	10
71-55-8	1,1,1-Trichloroethane	5	10
56-23-5	Carbon Tetrachloride	5	10
108-05-4	Vinyl Acetate	10	10
75-27-4	Bromodichloromethane	5	10
78-87-5	1,2-Dichloropropane	5	10
10061-01-6	cis-1,3-Dichloropropene	5	10
79-01-6	Trichloroethene	5	10
124-48-1	Dibromochloromethane	5	10
79-00-5	1,1,2-Trichloroethane	5	10
71-43-2	Benzene	5	10
10061-02-6	Trans-1,3-Dichloropropene	5	10
75-25-2	Bromoform	5	10
108-10-1	4-Methyl-2-Pentanone	10	10
591-78-6	2-Hexanone	10	10
127-18-4	Tetrachloroethene	5	10
79-34-5	1,1,2,2-Tetrachloroethane	5	10
108-88-3	Toluene	5	10
108-90-7	Chlorobenzene	5	10
100-41-4	Ethylbenzene	5	10
100-42-5	Styrene	5	10
1230-20-7	Total Xylenes	5	10

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FORM I VOA

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SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: CEIMIC CORP Contract: 6BD9002B CBEG31
 Lab Code: CEIMIC Case No.: 15229 SAS No.: SDG No.: CBEG27
 Matrix: (soil/water) WATER Lab Sample ID: 910066-05
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: A6883
 Level: (low/med) LOW Date Received: 02/06/91
 % Moisture: not dec. dec. Date Extracted: 02/11/91
 Extraction: (SopF/Cont/Sono) SOPF Date Analyzed: 02/21/91
 GPC Cleanup: (Y/N) N pH: 7.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
108-95-2	Phenol	10	IU
111-44-1	bis(2-Chloroethyl)Ether	10	IU
95-57-3	2-Chloroacenone	10	IU
541-72-1	1,3-Dichlorobenzene	10	IU
106-48-7	1,4-Dichlorobenzene	10	IU
100-51-6	Benzyl Alcohol	10	IU
95-50-1	1,2-Dichlorobenzene	10	IU
95-48-7	2-Methoxyphenol	10	IU
108-50-1	bis(2-Chloroisopropyl)Ether	10	IU
106-44-9	4-Methoxyphenol	10	IU
621-54-7	N-Nitroso-Di-n-Propylamine	10	IU
67-73-1	Hexachloroethane	10	IU
98-25-3	Nitrobenzene	10	IU
78-59-1	Isophorone	10	IU
98-78-5	2-Nitrophenol	10	IU
108-57-9	2,4-Dimethylphenol	10	IU
65-85-0	Benzoic Acid	50	IU
111-91-1	bis(2-Chloroethoxy)Methane	10	IU
120-83-2	2,4-Dichlorophenol	10	IU
120-82-1	1,2,4-Trichlorobenzene	10	IU
91-20-2	Naphthalene	10	IU
108-47-8	4-Chloraniline	10	IU
97-68-3	Hexachlorobutadiene	10	IU
59-50-7	4-Chloro-3-Methylphenol	10	IU
91-57-6	2-MethylNaphthalene	10	IU
77-47-4	Hexachlorocyclopentadiene	10	IU
88-06-2	2,4,6-Trichlorophenol	10	IU
98-95-4	2,4,5-Trichlorophenol	50	IU
91-58-7	2-Choronaphthalene	10	IU
88-74-4	2-Nitroaniline	50	IU
131-11-3	Dimethyl Phthalate	10	IU
208-96-9	Acenaphthylene	10	IU
606-20-2	2,6-Dinitrotoluene	10	IU

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AR303744

SEMICVOLATILE ORGANIC ANALYSIS DATA SHEET

Lab Name: CEIMIC CORP Contract: 68090028 CBE31
 Lab Code: CEIMIC Case No.: 15828 SAS No.: SDG No.: CBE27
 Matrix: (soil/water) WATER Lab Sample ID: 910066-05
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: A6883
 Level: (low/med) LOW Date Received: 02/06/91
 % Moisture: not dec. dec. Date Extracted: 02/11/91
 Extraction: (SapF/Cone/Sonic) SEPE Date Analyzed: 02/21/91
 GPC Cleanup: (Y/N) N pH: 7.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
93-09-2-----	2-Nitroaniline	50	10
93-32-9-----	Acenaphthene	10	10
51-29-5-----	2,4-Dinitrobenzal	50	10
100-02-7-----	4-Nitrophenol	50	10
132-64-9-----	Dibenzofuran	10	10
121-14-2-----	2,4-Dinitrotoluene	10	10
84-66-2-----	Diethylphthalate	10	10
7005-72-0-----	4-Chlorophenyl-phenylether	10	10
26-73-7-----	Fluorane	10	10
100-01-6-----	4-Nitroaniline	50	10
534-92-1-----	4,6-Dinitro-2-Methylphenol	50	10
96-30-6-----	N-Nitrosodiphenylamine (1)	10	10
101-55-3-----	4-Bromophenyl-phenylether	10	10
119-74-1-----	Hexachlorobenzene	10	10
87-86-5-----	Pentachlorophenol	50	10
85-01-8-----	Phenanthrene	10	10
120-12-7-----	Anthracene	10	10
84-74-2-----	Di-n-Butylphthalate	10	10
206-44-0-----	Fluoranthene	10	10
129-00-0-----	Pyrene	10	10
85-68-7-----	Butylbenzylphthalate	10	10
91-94-1-----	3,3'-Dichlorobenzidine	20	10
56-55-3-----	Benz(a)Anthracene	10	10
218-01-9-----	Chrysene	10	10
117-81-7-----	bis(2-Ethylhexyl)Phthalate	10	10
117-84-0-----	Di-n-Octyl Phthalate	10	10
205-99-2-----	Benz(b)Fluoranthene	10	10
207-08-9-----	Benz(k)Fluoranthene	10	10
50-32-8-----	Benz(a)Pyrene	10	10
193-09-5-----	Indeno(1,2,3-cd)Pyrene	10	10
53-70-3-----	Dibenzo(a,h)Anthracene	10	10
191-24-2-----	Benzo(g,h,i)Perylene	10	10

(1) - Cannot be separated from Diphenylamine

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FORM I SV-2

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AR303745

PESTICIDE ORGANIC ANALYSIS DATA SHEET

CB631

Lab Name: CEIMIC CORP Contract: SDG90029

Lab Order: CEIMIC Case No.: 15226 SAS No.: SDG No.: CB627

Matrix: soil/water Water Lab Sample ID: 810066-05

Sample weight: 1000 g/mL ML Lab File ID:

Level: low/med LC₄ Date Received: 02/06/91

% Moisture: not dec. dec. Date Extracted: 02/11/91

Extraction: (Sed7/Cont/Bond) SEFF Date Analyzed: 03/20/91

HPLC Cleanups: (Y/N) N pH: 7.1 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
216-84-6	alpha-BHC	0.050IU	
216-85-7	beta-BHC	0.050IU	
216-86-8	delta-BHC	0.050IU	
52-29-1	gamma-BHC (Lindane)	0.050IU	
78-44-3	Heptachlor	0.050IU	
212-00-2	Aldrin	0.050IU	
1014-57-2	Heptachlor epoxide	0.050IU	
653-82-2	Endosulfan I	0.050IU	
61-57-1	Endrin	0.10IU	
71-62-9	4,4'-DDT	0.10IU	
71-60-8	Endrin	0.10IU	
22113-59-8	Endosulfan II	0.10IU	
72-54-8	4,4'-DDD	0.10IU	
1021-17-8	Endosulfan sulfate	0.10IU	
80-29-2	4,4'-DDT	0.10IU	
71-40-3	Methoxychlor	0.50IU	
12464-70-5	Endrin ketone	0.10IU	
5103-71-6	alpha-Chlordane	0.50IU	
5103-74-2	gamma-Chlordane	0.50IU	
8001-25-2	Toxaphene	1.0IU	
12374-11-2	Aroclor-1016	0.50IU	
11104-28-2	Aroclor-1221	0.50IU	
11141-16-5	Aroclor-1222	0.50IU	
52458-21-8	Aroclor-1242	0.50IU	
12374-28-6	Aroclor-1248	0.50IU	
11097-53-1	Aroclor-1254	1.0IU	
11086-91-5	Aroclor-1260	1.0IU	

FORM I PEST

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AR303746

IA
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: <u>CEIMIC CORP</u>	Contract: <u>6AD30029</u>	EPA Sample No.: <u>CBE32</u>	
o Code: <u>CEIMIC</u>	Case No.: <u>13329</u>	SAS No.: _____	SDG No.: <u>CBE27</u>
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: <u>910066-06</u>		
Sample wt/vol: <u>5.0</u> (g/mL) <u>ML</u>	Lab File ID: <u>E2946</u>		
Level: (low/med) <u>LOW</u>	Date Received: <u>02/06/91</u>		
% Moisture: not dec.	Date Analyzed: <u>02/13/91</u>		
Column: (pack/cap) <u>PACK</u>	Dilution Factor: <u>1.0</u>		

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
74-87-3	Chloromethane	10	uU
74-80-3	Bromomethane	10	uU
75-01-4	Vinyl Chloride	10	uU
75-00-2	Chloroethane	10	uU
75-09-2	Methylene Chloride	5	uU
67-64-1	Acetone	10	uU
75-15-0	Carbon Disulfide	5	uU
75-25-4	1,1-Dichloroethane	5	uU
75-34-3	1,1-Bischloroethane	5	uU
540-29-0	1,2-Dichloroethene (total)	5	uU
67-66-3	Chloroform	5	uU
107-06-2	1,2-Dichloroethane	5	uU
78-90-3	1-Butane	10	uU
71-55-8	1,1,1-Trichloroethane	5	uU
56-22-5	Carbon Tetrachloride	5	uU
108-05-4	Vinyl Acetate	10	uU
75-27-4	Bromodichloromethane	5	uU
78-87-5	1,2-Dichloropropane	5	uU
10061-01-5	cis-1,3-Dichloropropene	5	uU
79-01-6	Trichloroethene	5	uU
124-48-1	Dibromochloromethane	5	uU
79-00-5	1,1,2-Trichloroethane	5	uU
71-43-2	Benzene	5	uU
10061-02-6	Trans-1,3-Dichloropropene	5	uU
75-25-2	Bromoform	5	uU
108-10-1	4-Methyl-2-Pentanone	10	uU
591-78-6	2-Hexanone	10	uU
127-18-4	Tetrachloroethene	5	uU
79-34-5	1,1,2,2-Tetrachloroethane	5	uU
108-88-3	Toluene	5	uU
108-90-7	Chlorobenzene	5	uU
100-41-4	Ethylbenzene	5	uU
100-42-5	Styrene	5	uU
1330-20-7	Total Xylenes	5	uU

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CBE32

Lab Name: CEIMIC CORP. Contract: 6BD9002B

Lab Code: CEIMIC Case No.: 15838 SAS No.: _____ SDG No.: CBE27

Matrix: soil/water WATER Lab Sample ID: 210066-06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A6279

Level: low/med LOW Date Received: 02/06/91

% Moisture: not dec. dec. Date Extracted: 02/11/91

Extraction: (Seq/F/Cont/Sono) SERS Date Analyzed: 02/20/91

HPLC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
108-95-2	Phenol	10	u
111-44-4	bis(2-Chloroethyl)Ether	10	u
95-27-8	2-Chloronanol	10	u
541-72-1	1,2-Dichlorobenzene	10	u
108-46-7	1,4-Dichlorobenzene	2	u
100-51-6	Benzyl Alcohol	10	u
95-50-1	1,2-Dichlorobenzene	10	u
95-48-7	2-Methylphenol	10	u
108-80-1	bis(2-Chloroisopropyl)Ether	10	u
106-44-5	4-Methylphenol	10	u
621-64-7	N-Nitroso-Di-n-Propylamine	10	u
67-72-1	Hexachloroethane	10	u
98-95-2	Nitrobenzene	10	u
79-59-1	Isochorone	10	u
98-75-8	2-Nitrophenol	10	u
105-87-8	2,4-Dimethylphenol	10	u
65-85-0	Benzoic Acid	50	u
111-91-1	bis(2-Chloroethoxy)Methane	10	u
120-80-2	2,4-Dichlorophenol	10	u
120-82-1	1,2,4-Trichlorobenzene	10	u
91-20-3	Naphthalene	10	u
106-47-8	4-Chloroaniline	10	u
97-68-2	Hexachlorobutadiene	10	u
59-50-7	4-Chloro-2-Methylphenol	10	u
91-57-6	2-Methylnaphthalene	10	u
77-47-4	Hexachlorocyclopentadiene	10	u
99-06-2	2,4,6-Trichlorophenol	10	u
95-95-4	2,4,5-Trichlorophenol	50	u
91-58-7	2-Chloronaphthalene	10	u
98-74-4	2-Nitroaniline	50	u
131-11-3	Dimethyl Phthalate	10	u
208-96-8	Acenaphthylene	10	u
606-20-2	2,6-Dinitrotoluene	10	u

FORM I SV-1

1/87 rev.

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AR303748

ENVIRONMENTAL CRIMINALS ANALYTICAL DATA SHEET

Lab Name: <u>CEIMIC CORP</u>	Contract: <u>6AD90028</u>	<u>CBE32</u>
Lab Code: <u>CBE32</u>	Case No.: <u>15938</u>	SAS No.: _____ SDG No.: <u>CBE27</u>
Matrix (soil/water) <u>WATER</u>	Lab Sample ID: <u>910086-06</u>	
Sample wt/vol: <u>1000</u> (g/mL) <u>ML</u>	Lab File ID: <u>A6879</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>02/06/91</u>	
% Moisture: not dec. _____ dec. _____	Date Extracted: <u>02/11/91</u>	
Extraction: (Sep/F/Cont/Sono) <u>SEPF</u>	Date Analyzed: <u>02/20/91</u>	
GPC Cleanup: (Y/N) <u>N</u>	pH: <u>7.0</u>	Dilution Factor: <u>1.0</u>

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
99-93-2	2-Nitroaniline	50	uU
80-22-9	Acenaphthene	10	uU
51-28-5	2,4-Dinitrophenol	50	uU
100-02-7	4-Nitrophenol	50	uU
132-64-9	Dibenzofuran	10	uU
121-14-2	2,4-Dinitrotoluene	10	uU
84-68-2	Diisobutylphthalate	10	uU
7005-72-0	4-Chlorophenyl-phenylether	10	uU
86-73-7	Fluorene	10	uU
100-01-6	4-Nitroaniline	50	uU
534-82-1	4,6-Dinitro-2-Methylphenol	50	uU
86-30-6	N-Nitroso-diphenylamine (1)	10	uU
101-65-3	4-Bromophenyl-phenylether	10	uU
119-74-1	Hexachlorobenzene	10	uU
87-86-5	Pentachlorophenol	50	uU
85-01-8	Phenanthrene	10	uU
120-12-7	Anthracene	10	uU
84-74-2	Di-n-Butylphthalate	10	uU
206-44-0	Fluoranthene	10	uU
128-00-0	Pyrene	10	uU
85-68-7	Butylbenzylphthalate	10	uU
91-84-1	3,3'-Dichlorobenzidine	20	uU
56-55-3	Benzo(a)Anthracene	10	uU
219-01-9	Chrysene	10	uU
117-81-7	bis(2-Ethylhexyl)Phthalate	10	uU
117-84-0	Di-n-Octyl Phthalate	10	uU
205-99-2	Benzo(b)Fluoranthene	10	uU
207-08-9	Benzo(k)Fluoranthene	10	uU
50-32-8	Benzo(a)Pyrene	10	uU
193-38-5	Indeno(1,2,3-cd)Pyrene	10	uU
53-70-3	Dibenz(a,h)Anthracene	10	uU
191-24-2	Benzo(g,h,i)Perylene	10	uU

(1) - Cannot be separated from Diphenylamine

PESTICIDES ORGANIC ANALYSIS DATA SHEET

Lab Name: CEMICO CORP Contract: SDS90029 CSE32
 Lab Code: CEMICO Case No.: 15628 SAS No.: SDG No.: CSE27
 Matrix: Soil/Water Water Lab Sample ID: 910088-A
 Sample weight: 1000 (g/mL) ML Lab File ID:
 Level: Low/med LCN Date Received: 02/06/81
 % Moisture: not dec. dec. Date Extracted: 02/11/81
 Extraction: (SopF/Cent/Sonic) SSES Date Analyzed: 02/16/81
 GPC Cleanups: (Y/N) Y pH: 7.0 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
216-84-8-----alpha-BHC		0.05010	
216-85-7-----beta-BHC		0.05010	
216-86-8-----delta-8HC		0.05010	
22-61-1-----gamma-6-HC-Chlordane		0.05010	
71-41-8-----Heptachlor		0.05010	
216-00-2-----Endrin		0.05010	
1024-57-2-----Heptachlor epoxide		0.05010	
252-92-2-----Endosulfan I		0.05010	
50-87-1-----Dieldrin		0.1010	
71-28-2-----4,4'-DDT		0.1010	
71-29-3-----Endrin		0.1010	
22212-55-9-----Endosulfan II		0.1010	
21-54-3-----4,4'-DDC		0.1010	
1021-07-3-----Endosulfan sulfate		0.1010	
51-18-2-----4,4'-DDT		0.1010	
71-43-8-----Methoxychlor		0.5010	
52484-70-5-----Endrin ketone		0.1010	
5103-71-8-----alpha-Chlordane		0.5010	
5103-74-2-----gamma-Chlordane		0.5010	
8001-35-2-----Toxaphene		1.010	
12274-11-2-----Aroclor-1018		0.5010	
11104-19-2-----Aroclor-1021		0.5010	
11141-15-8-----Aroclor-1022		0.5010	
23463-21-8-----Aroclor-1242		0.5010	
12872-28-6-----Aroclor-1248		0.5010	
11097-69-1-----Aroclor-1254		1.010	
11098-62-5-----Aroclor-1260		1.010	

FORM I PEST

1712/97/81

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IA
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Name: <u>CEIMIC CORP</u>	Contract: <u>E3D90029</u>	<u>CBE33</u>
Lab Code: <u>CEIMIC</u>	Case No.: <u>15208</u>	SAS No.: _____ SDS No.: <u>CBE07</u>
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: <u>910066-07</u>	
Sample wt/vol: <u>5.0 (g/mL) ML</u>	Lab File ID: <u>E2947</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>02/06/91</u>	
% Moisture: not dec.	Date Analyzed: <u>02/13/91</u>	
Column: (pack/cap) <u>PACK</u>	Dilution Factor: <u>1.0</u>	

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
74-87-3	Chloromethane	10	10
74-83-9	Bromomethane	10	10
75-01-4	Vinyl Chloride	10	10
75-00-3	Chloroethane	10	10
75-09-2	Methylene Chloride	5	10
67-64-1	Acetone	10	10
75-15-0	Carbon Disulfide	5	10
75-35-4	1,1-Dichloroethene	5	10
75-34-3	1,1-Dichloroethane	5	10
540-59-0	1,2-Dichloroethene (total)	5	10
67-66-3	Chloroform	5	10
107-06-2	1,2-Dichloroethane	5	10
76-32-2	2-Butanone	10	10
71-85-6	1,1,1-Trichloroethane	5	10
56-23-5	Carbon Tetrachloride	5	10
108-05-4	Vinyl Acetate	10	10
75-27-4	Bromodichloromethane	5	10
78-87-5	1,2-Dichloropropane	5	10
10061-01-5	cis-1,3-Dichloropropene	5	10
79-01-6	Trichloroethene	5	10
124-48-1	Dibromochloromethane	5	10
79-00-5	1,1,2-Trichloroethane	5	10
71-49-2	Benzene	5	10
10061-02-6	Trans-1,3-Dichloropropene	5	10
75-25-2	Bromoform	5	10
108-10-1	4-Methyl-2-Pentanone	10	10
591-78-6	2-Hexanone	10	10
127-18-4	Tetrachloroethene	5	10
79-34-5	1,1,2,2-Tetrachloroethane	5	10
108-98-0	Toluene	5	10
108-90-7	Chlorobenzene	5	10
100-41-4	Ethylbenzene	5	10
100-42-5	Styrene	5	10
1330-20-7	Total Xylenes	5	10

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SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBE33

Lab Name: <u>CEIMIC CORP</u>	Contract: <u>BBB90028</u>	EPA SAMPLE NO. <u>CBE33</u>
Lab Code: <u>CEIMIC</u>	Case No.: <u>15808</u>	SAS No.: _____ SDG No.: <u>CBE27</u>
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: <u>910066-07</u>	
Sample wt/vol: <u>1000</u> (g/mL) <u>ML</u>	Lab File ID: <u>A6880</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>02/06/91</u>	
% Moisture: not dec. _____ dec. _____	Date Extracted: <u>02/11/91</u>	
Extraction: (SepF/Cont/Sono) <u>SEPF</u>	Date Analyzed: <u>02/20/91</u>	
GPC Cleanup: (Y/N) <u>N</u>	PH: <u>6.8</u>	Dilution Factor: <u>1.0</u>

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
108-95-2-----Phenol		10	UG
111-44-4-----bis(2-Chloroethyl)Ether		10	UG
95-57-8-----2-Chlorophenol		10	UG
541-73-1-----1,3-Dichlorobenzene		10	UG
106-46-7-----1,4-Dichlorobenzene		10	UG
100-51-6-----Benzyl Alcohol		10	UG
95-50-1-----1,2-Dichlorobenzene		10	UG
95-48-7-----2-Methylphenol		10	UG
108-60-1-----bis(2-Chloroisopropyl)Ether		10	UG
106-44-5-----4-Methylphenol		10	UG
621-64-7-----N-Nitroso-Di-n-Pranylamine		10	UG
67-72-1-----Hexachloroethane		10	UG
98-95-3-----Nitrobenzene		10	UG
78-59-1-----Isophorone		10	UG
88-75-5-----2-Nitrophenol		10	UG
105-67-9-----2,4-Dimethylphenol		10	UG
65-85-0-----Benzic Acid		50	UG
111-91-1-----bis(2-Chloroethoxy)Methane		10	UG
120-83-2-----2,4-Dichlorophenol		10	UG
120-82-1-----1,2,4-Trichlorobenzene		10	UG
91-20-3-----Naphthalene		10	UG
106-47-8-----4-Chloraniline		10	UG
87-68-3-----Hexachlorobutadiene		10	UG
59-50-7-----4-Chloro-2-Methylphenol		10	UG
91-57-6-----2-Methylnaphthalene		10	UG
77-47-4-----Hexachlorocyclopentadiene		10	UG
88-06-2-----2,4,6-Trichlorophenol		10	UG
95-95-4-----2,4,5-Trichlorophenol		50	UG
91-58-7-----2-Chloronaphthalene		10	UG
88-74-4-----2-Nitroaniline		50	UG
131-11-3-----Dimethyl Phthalate		10	UG
208-96-8-----Acenaphthylene		10	UG
606-20-2-----2,6-Dinitrotoluene		10	UG

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CEIMIC CORP Contract: 68D9002B | CBE630

b Code: C Case No.: 15938 SAS No.: _____ SDG No.: CBE27

matrix: (soil/water) WATER Lab Sample ID: 910066-07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A6880

Level: (low/med) LOW Date Received: 02/06/91

% Moisture: not dec. dec. Date Extracted: 02/11/91

Extraction: (SepF/Cont/Sono) SEFF Date Analyzed: 02/20/91

GPC Cleanup: (Y/N) N pH: 6.8 Dilution Factor: 1.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
99-09-2-----	3-Nitroaniline	50	IU
83-32-9-----	Acenaphthene	10	IU
51-28-5-----	2,4-Dinitrophenol	50	IU
100-02-7-----	4-Nitrophenol	50	IU
132-64-3-----	Dibenzofuran	10	IU
121-14-2-----	2,4-Dinitrotoluene	10	IU
84-66-2-----	Diethylphthalate	10	IU
7005-72-3-----	4-Chlorophenyl-phenylether	10	IU
86-73-7-----	Fluorene	10	IU
100-01-6-----	4-Nitroaniline	50	IU
534-52-1-----	4,6-Dinitro-2-Methylphenol	50	IU
86-30-6-----	N-Nitrosodiphenylamine (1)	10	IU
101-55-2-----	4-Bromophenyl-phenylether	10	IU
118-74-1-----	Hexachlorobenzene	10	IU
87-86-5-----	Pentachlorophenol	50	IU
85-01-8-----	Phenanthrene	10	IU
120-12-7-----	Anthracene	10	IU
84-74-2-----	Di-n-Butylphthalate	10	IU
206-44-0-----	Fluoranthene	10	IU
129-00-0-----	Pyrene	10	IU
85-68-7-----	Butylbenzylphthalate	10	IU
91-94-1-----	3,3'-Dichlorobenzidine	20	IU
56-55-2-----	Benzo(a)Anthracene	10	IU
218-01-9-----	Chrysene	10	IU
117-81-7-----	bis(2-Ethylhexyl)Phthalate	10	IU
117-84-0-----	Di-n-Octyl Phthalate	10	IU
205-99-2-----	Benzo(b)Fluoranthene	10	IU
207-08-9-----	Benzo(k)Fluoranthene	10	IU
50-32-8-----	Benzo(a)Pyrene	10	IU
183-39-5-----	Indeno(1,2,3-cd)Pyrene	10	IU
53-70-3-----	Dibenzo(a,h)Anthracene	10	IU
191-24-2-----	Benzo(g,h,i)Perylene	10	IU

(1) ~ Cannot be separated from Diphenylamine

PESTICIDE ORGANIC ANALYSIS DATA SHEET

Lab Name: CEMID CORP Contract: 63D30028 CBEGG
 Lab Code: CEMID Case No.: 15226 SAS No.: SDB No.: CB627
 Matrix: dust/water Water Lab Sample ID: 910056-01
 Sample wt/vol: 1000 g/ml ML Lab File ID:
 Level: low/med LCW Date Received: 02/08/91
 % Maturation: not dec. dec. Date Extracted: 02/11/91
 Extraction: (GasF/Cont/Soxh) 2225 Date Analyzed: 03/15/91
 GC Cleanup: Y/N N DH: 6.6 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) <u>ug/L</u>	<u>0</u>
21-84-6-----alpha-840		0.050IU	
21-25-7-----beta-840		0.050IU	
21-9-2-----gamma-840		0.050IU	
53-36-6-----gamma-840 Chloro		0.050IU	
76-41-9-----Aroclor 1016		0.050IU	
210-14-2-----Aroclor		0.050IU	
1024-57-2-----Aroclor or Aroclor		0.050IU	
658-98-8-----Aroclor 1016		0.050IU	
80-57-1-----Aroclor 1016		0.10IU	
72-55-9-----Aroclor 1016		0.10IU	
71-14-3-----Aroclor		0.10IU	
32213-12-8-----Aroclor 1016		0.10IU	
71-54-3-----Aroclor 1016		0.10IU	
1024-07-8-----Aroclor 1016 sulfate		0.10IU	
80-26-3-----Aroclor 1016		0.10IU	
70-42-8-----Aroclor 1016		0.50IU	
52484-70-5-----Benzin ketone		0.10IU	
5102-71-9-----alpha-Chlordane		0.50IU	
5102-74-2-----gamma-Chlordane		0.50IU	
8001-05-0-----Buxachene		1.0IU	
12674-11-2-----Aroclor-1016		0.50IU	
11104-22-2-----Aroclor-1221		0.50IU	
11141-15-5-----Aroclor-1222		0.50IU	
52484-21-9-----Aroclor-1242		0.50IU	
12672-29-6-----Aroclor-1248		0.50IU	
11067-82-1-----Aroclor-1254		1.0IU	
11066-82-6-----Aroclor-1260		1.0IU	

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FORM I PEST

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AR303754

IA
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBE34

Lab Name: CEIMIC CORP Contract: 6AD9002B

Lab Code: CBE34 Case No.: 15623 SAG No.: SDG No.: CBE27

Matrix (soil/water) SOIL Lab Sample ID: 310068-08

Sample wt/vol: 5.0 (g/mL) Lab File ID: C6347

Level: (low/med) LOW Date Received: 02/06/91

% Moisture: not dec. 21 Date Analyzed: 02/12/91

Column: (pack/sep) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(<u>ug/L</u> or <u>ug/Kg</u>)	<u>ug/Kg</u>
74-87-3-----	Chloromethane	13	10
74-88-3-----	Br omomethane	13	10
75-01-4-----	Vinyl Chloride	13	10
75-00-3-----	Chloroethane	13	10
75-08-2-----	Methylene Chloride	5	10J
67-64-1-----	Acetone	13	10J
75-15-0-----	Carbon Disulfide	6	10
75-35-4-----	1,1-Dichloroethane	6	10
75-34-3-----	1,1-Dichloroethane	6	10
540-59-0-----	1,2-Dichloroethene (total)	6	10
67-66-3-----	Chloroform	6	10
107-06-2-----	1,2-Dichloroethane	6	10
72-93-3-----	2-Butanone	13	10
71-55-8-----	1,1,1-Trifluoroethane	6	10
56-13-5-----	Carbon Tetrachloride	6	10
108-05-4-----	Vinyl Acetate	13	10
75-27-4-----	Bromodichloromethane	6	10
78-37-5-----	1,2-Dichloropropane	6	10
10061-01-5-----	cis-1,3-Dichloropropene	6	10
79-01-6-----	Trichloroethene	6	10
124-48-1-----	Dibromochloromethane	6	10
79-00-5-----	1,1,2-Trichloroethane	6	10
71-43-2-----	Benzene	6	10
10061-02-6-----	Trans-1,3-Dichloropropene	6	10
78-25-2-----	Bromoform	6	10
108-10-1-----	4-Methyl-2-Pentanone	13	10
531-78-6-----	2-Hexanone	13	10
127-18-4-----	Tetrachloroethene	6	10
79-34-5-----	1,1,2,2-Tetrachloroethane	6	10
108-88-3-----	Toluene	6	10
108-90-7-----	Chlorobenzene	6	10
100-41-4-----	Ethylbenzene	6	10
100-42-5-----	Styrene	6	10
1330-20-7-----	Total Xylenes	6	10

1221

AR303755

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CB634

Lab Name: CEIMIC CORP Contract: 68D90028

Lab Code: CEIMIC Case No.: 15838 SAS No.: SDS No.: CBE27

Matrix: (Soil/water) SOIL Lab Sample ID: 910066-08

Sample wt/vol: 30.5 (g/mL) g Lab File ID: D5280

Level: (low/med) LOW Date Received: 02/06/91

% Moisture: not dec. 18 dec. Date Extracted: 02/15/91

Extraction: (Sep/F/Cont/Sono) SONO Date Analyzed: 03/31/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/Kg
108-95-2-----	Phenol	2400	IU
111-44-4-----	bis(2-Chloroethyl)Ether	2400	IU
95-57-8-----	2-Chlorophenol	2400	IU
541-73-1-----	1,3-Dichlorobenzene	2400	IU
106-46-7-----	1,4-Dichlorobenzene	370	IBJ
100-51-6-----	Benzyl Alcohol	2400	IU
95-50-1-----	1,2-Dichlorobenzene	2400	IU
95-48-7-----	2-Methylphenol	2400	IU
108-60-1-----	bis(2-Chloroisopropyl)Ether	2400	IU
106-44-5-----	4-Methylphenol	2400	IU
621-64-7-----	N-Nitroso-Di-n-Propylamine	2400	IU
67-72-1-----	Hexachloroethane	2400	IU
98-95-3-----	Nitrobenzene	2400	IU
78-59-1-----	Isophorone	2400	IU
88-75-5-----	2-Nitrophenol	2400	IU
105-67-9-----	2,4-Dimethylphenol	2400	IU
65-85-0-----	Benzoic Acid	12000	IU
111-91-1-----	bis(2-Chloroethoxy)Methane	2400	IU
120-83-2-----	2,4-Dichlorophenol	2400	IU
120-82-1-----	1,2,4-Trichlorobenzene	2400	IU
91-20-3-----	Naphthalene	460	IJ
106-47-8-----	4-Chloraniline	2400	IU
87-68-3-----	Hexachlorobutadiene	2400	IU
59-50-7-----	4-Chloro-3-Methylphenol	2400	IU
91-57-6-----	2-Methylnaphthalene	2400	IU
77-47-4-----	Hexachlorocyclopentadiene	2400	IU
88-06-2-----	2,4,6-Trichlorophenol	2400	IU
95-95-4-----	2,4,5-Trichlorophenol	12000	IU
91-58-7-----	2-Chloronaphthalene	2400	IU
88-74-4-----	2-Nitroaniline	12000	IU
131-11-0-----	Dimethyl Phthalate	2400	IU
208-96-8-----	Acenaphthylene	2400	IU
606-20-2-----	2,6-Dinitrotoluene	2400	IU

SEMICVOLATILE Chemical ANALYSIS DATA SHEET

CBEB34

Lab Name: CEMIMIC CORP Contract: 68D80028

Lab Code: CEMIMIC Case No.: 15838 SAS No.: SDG No.: CBEB27

Mat. Lkt: (soil/water) SC11 Lab Sample ID: 910066-08

Sample wt/vol: 30.5 (g/mL) g Lab File ID: D5280

Level: (low/med) LOW Date Received: 02/06/91

% Moisture: not dec. 19 dec. Date Extracted: 02/15/91

Extraction: (Sep/F/Cont/Sono) Sono Date Analyzed: 03/31/91

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 6.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
95-09-2	-3-Nitroaniline	12000	IU	
92-30-3	-Adamantanone	2400	IU	
51-19-3	-2,4-Dinitroanenol	12000	IU	
100-02-7	-4-Nitroanenol	12000	IU	
122-64-2	-Dibenzofuran	2400	IU	
121-14-2	-2,4-Dinitrotoluene	2400	IU	
84-66-2	-Diethylenthalate	1200	IU	
7005-72-3	-4-Chlorophenyl-phenylether	2400	IU	
86-73-7	-Fluorene	2400	IU	
100-01-8	-4-Nitroaniline	12000	IU	
534-52-1	-4,6-Dinitro-2-Methylphenol	12000	IU	
86-30-5	-N-Nitrosodiphenylamine (1)	2400	IU	
101-55-2	-4-Bromophenyl-phenylether	2400	IU	
119-74-1	-Hexachlorobenzene	2400	IU	
87-86-3	-Pentachlorophenol	12000	IU	
85-01-8	-Phenanthrene	2400	IU	
120-12-7	-Anthracene	2400	IU	
84-74-2	-Di-n-Butylphthalate	2400	IU	
206-44-0	-Fluoranthene	2400	IU	
129-00-0	-Pyrene	2400	IU	
88-53-7	-Butylbenzylphthalate	6000	IU	
91-94-1	-3,3'-Dichlorobenzidine	4800	IU	
56-55-3	-Benz(a)Anthracene	2400	IU	
218-01-9	-Chrysene	2400	IU	
117-81-7	-bis(2-Ethylhexyl)Phthalate	12000	I	
117-84-0	-Di-n-Octyl Phthalate	2400	IU	
205-99-2	-Benz(b)Fluoranthene	2400	IU	
207-08-9	-Benz(k)Fluoranthene	2400	IU	
50-32-8	-Benz(a)Pyrene	2400	IU	
192-39-5	-Indeno(1,2,3-cd)Pyrene	2400	IU	
53-70-3	-Dibenz(a,h)Anthracene	2400	IU	
181-24-2	-Benz(g,h,i)Perylene	2400	IU	

(1) - Cannot be separated from Diphenylamine

AR303757

Lab Name: CEMTEC CORP Contract: SDP800029 C8E24
 Lab Code: C8E24 Case No.: 15838 SAG No.: SDG No.: C8E27
 Matrix: Soil/water Soil Lab Sample ID: 910066-09
 Sample wt/vol: 50.0 g/mL Lab File ID:
 Level: Low Date Received: 02/06/91
 % Moisture: not dec. 12 dec. Date Extracted: 02/15/91
 Extraction: (SagF/Cont/Sono) Sono Date Analyzed: 03/21/91
 GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/kg
216-84-2-----alpha-BHC		9.810	
216-85-7-----beta-BHC		9.810	
216-86-8-----delta-BHC		9.810	
52-33-0-----gamma-BHC (Lindane)		9.810	
71-11-8-----heptachlor		9.810	
30-61-1-----heptachlor		9.810	
110-47-2-----Heptachlor epoxide		9.810	
125-82-2-----Endosulfan I		9.810	
61-67-1-----Endosulfan		19	10
72-22-7-----4,4'-DDT		19	10
72-21-2-----Endosulfan		19	10
20212-82-3-----Endosulfan II		19	10
71-54-3-----4,4'-DDE		19	10
1021-07-8-----Endosulfan sulfate		19	10
51-28-2-----4,4'-DDT		19	10
72-42-3-----Methoxychlor		98	10
53494-70-5-----Endrin ketone		19	10
5103-71-8-----alpha-Chlordane		98	10
5102-74-2-----gamma-Chlordane		98	10
5001-26-2-----Toxaphene		190	10
12674-11-3-----Aroclor-1016		98	10
11104-12-2-----Aroclor-1121		98	10
11141-16-5-----Aroclor-1222		98	10
53488-01-3-----Aroclor-1242		98	10
12671-26-8-----Aroclor-1248		98	10
11087-89-1-----Aroclor-1254		190	10
11086-62-5-----Aroclor-1260		190	10

LA
VOLATILE ORGANIC ANALYSIS DATA SHEET

FORM 1 VOA

Lab Name: CEIMIC CCFF Contract: 62090028 | CBE35

Lab Code: CEIMIC Case No.: 15308 SAS No.: _____ SOD No.: CBE07

Matrix: (soil/water) SOIL Lab Sample ID: 910066-09

Sample wt/vol: 5.0 (g/mL) g Lab File ID: C6350

Level: (low/med) LOW Date Received: 02/06/91

% Moisture: not dec. 28 Date Analyzed: 02/12/91

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3-----	Chloromethane	14	10
74-82-8-----	Bromomethane	14	10
75-01-4-----	Vinyl Chloride	14	10
75-00-2-----	Chloroethane	14	10
75-05-1-----	Methylene Chloride	3	10J
67-64-1-----	Acetone	14	10
75-15-0-----	Carbon Disulfide	7	10
75-05-4-----	1,1-Dichloroethene	7	10
75-03-8-----	1,1-Dichloroethane	7	10
540-39-0-----	1,2-Dichloroethene (total)	7	10
57-68-0-----	Chlormeform	7	10
107-06-2-----	1,2-Dichloroethane	7	10
78-63-3-----	2-Eutanone	14	10
71-55-6-----	1,1,1-Trichloroethane	7	10
56-23-5-----	Carbon Tetrachloride	7	10
108-08-4-----	Vinyl Acetate	14	10
75-27-4-----	Bromodichloromethane	7	10
78-87-8-----	1,2-Dichloropropane	7	10
10061-01-5-----	cis-1,3-Dichloropropene	7	10
79-01-6-----	Trichloroethene	7	10
124-48-1-----	Dibromo-chloromethane	7	10
79-00-5-----	1,1,2-Trichloroethane	7	10
71-42-2-----	Etanane	7	10
10061-02-5-----	Trans-1,3-Dichloropropene	7	10
75-25-2-----	Bromoform	7	10
108-10-1-----	4-Methyl-2-Pentanone	14	10
591-78-6-----	2-Hexanone	14	10
127-18-4-----	Tetrachloroethene	2	10
79-34-5-----	1,1,2,2-Tetrachloroethane	7	10
108-88-3-----	Toluene	7	10
108-90-7-----	Chlorobenzene	7	10
100-41-4-----	Ethylbenzene	7	10
100-42-5-----	Styrene	7	10
1330-20-7-----	Total Xylenes	7	10

C 1228

FORM 1 VOA

1/87 Rev.

AR303759

Lab Name: CEIMIC CORP Contract: 6AD30029 | CBE25
 Lab Code: CEIMIC Case No.: 15838 SAS No.: SDS No.: CBE27
 Matrix: (soil/water) SOIL Lab Sample ID: 210066-09
 Sample wt/vol: 20.2 (g/mL) g Lab File ID: D5257
 Level: (low/med) LOW Date Received: 02/06/91
 % Moisture: not dec. 21 dec. Date Extracted: 02/15/91
 Extraction: (SapF/Cont/Sonic) SONIC Date Analyzed: 03/29/91
 HPLC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 9.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/Kg	Q
108-96-2	Phenol	3800	IU	
111-44-4	bis(2-Chloroethyl)Ether	3800	IU	
95-57-2	2-Chlorophenol	3800	IU	
941-73-1	,2-Dichloroaniline	3800	IU	
108-42-7	,4-Dichloroaniline	3800	IU	
100-51-8	Benzyl Alcohol	3800	IU	
95-50-1	,1,2-Dichloroaniline	3800	IU	
95-48-7	2-Methylphenol	3800	IU	
108-60-1	bis(2-Chloroisopropyl)Ether	3800	IU	
106-44-5	2-Methoxyphenol	3800	IU	
621-64-7	N-Nitroso-Di-n-Propylamine	3800	IU	
67-72-1	Hexachloroethane	3800	IU	
48-95-3	Nitrobenzene	3800	IU	
78-99-1	Isophorone	3800	IU	
88-78-5	2-Nitrophenol	3800	IU	
105-57-3	2,4-Dimethylphenol	3800	IU	
62-26-0	Benzoic Acid	18000	IU	
111-91-1	bis(2-Chloroethoxy)Methane	3800	IU	
120-83-2	2,4-Dichlorophenol	3800	IU	
120-82-1	,1,2,4-Trichlorobenzene	3800	IU	
91-20-2	Naphthalene	620	IJ	
106-47-9	4-Chloraniline	3800	IU	
87-63-3	Hexachlorobutadiene	3800	IU	
59-50-7	4-Chloro-2-Methylphenol	3800	IU	
91-57-6	2-Methylnaphthalene	3800	IU	
77-47-4	Hexachlorocyclopentadiene	3800	IU	
88-06-2	2,4,6-Trichlorophenol	3800	IU	
95-95-4	2,4,5-Trichlorophenol	18000	IU	
91-58-7	2-Chloronaphthalene	3800	IU	
88-74-4	2-Nitroaniline	18000	IU	
121-11-3	Dimethyl Phthalate	3800	IU	
208-96-8	Aceanaphthylene	3800	IU	
606-20-2	2,6-Dinitrotoluene	3800	IU	

Lab Name: CEIMIC CORP Contract: 68D90029
 Lab Code: CEIMIC Case No.: 15328 SAS No.: SDG No.: CBE27
 Matrix: (soil/water) ECIL Lab Sample ID: 910066-02
 Sample wt/vol: 30.2 (g/mL) S Lab File ID: D5257
 Level: Low/med LCH Date Received: 02/06/91
 % Moisture: not dec. 01 dec. Date Extracted: 02/15/91
 Extraction: (SopF/Cont/Sono) SONO Date Analyzed: 03/29/91
 GPC Cleanup: (Y/N) N pr: 7.2 Dilution Factor: 9.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
99-09-2	2-Nitroaniline	18000	IU
83-22-9	Anaphtalene	3800	IU
51-29-5	2,4-Dinitrophenol	18000	IU
100-02-7	4-Nitroanenol	18000	IU
122-64-9	Diphenofuran	3800	IU
121-14-2	1,4-Dinitrotoluene	3800	IU
64-26-2	Diethylphthalate	3800	I
7005-72-0	4-Chlorophenyl-phenylether	3800	IU
86-72-7	Fluorene	3800	IU
100-01-6	4-Nitroaniline	18000	IU
524-52-1	4,6-Dinitro-2-Methylphenol	18000	IU
86-30-6	N-Nitrosodimethylaniline (1)	3800	IU
101-55-2	4-Bromophenyl-phenylether	3800	IU
119-74-1	Hexachlorobenzene	3800	IU
97-56-5	Pentachlorophenol	18000	IU
88-01-3	Phenanthrene	3800	IU
120-12-7	Anthracene	3800	IU
94-74-2	Di-n-Butylphthalate	3800	IU
206-44-0	Fluoranthene	3800	IU
129-00-0	Pyrene	3800	IU
85-58-7	Butylbenzylphthalate	15000	I
91-94-1	3,3'-Dichlorobenzidine	7500	IU
56-35-3	Benz(a)Anthracene	3800	IU
213-01-9	Chrysane	3800	IU
117-81-7	bis(2-Ethylhexyl)Phthalate	25000	I
117-84-0	Di-n-Octyl Phthalate	3800	IU
205-99-2	Benz(b)Fluoranthene	3800	IU
207-08-9	Benz(k)Fluoranthene	3800	IU
50-32-8	Benz(a)Pyrene	3800	IU
192-99-5	Indeno(1,2,3-cd)Pyrene	3800	IU
50-70-3	Dibenz(a,h)Anthracene	3800	IU
191-24-2	Benz(g,h,i)Perylene	3800	IU

(1) - Cannot be separated from Diphenylamine

Lab Name: CERIMIC CORP Contract: 62D900028 | C8E38
 Lab Code: CERIMIC Case No.: 15328 SAS No.: _____ SDG No.: C8E27
 Matrix: Soil/water Soil Lab Sample ID: 910088-09
 Sample wt. vol: 20.0 g/mL Lab File ID: _____
 Level: Low/med Low Date Received: 02/06/91
 % Moisture: not dec. 21 dec. Date Extracted: 02/15/91
 Extraction: (Sav/F/Cone/Sonic) SONIC Date Analyzed: 02/21/91
 EPC Cleanup: Y/N N pH: 7.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/kg
216-24-6-----alpha-BHC		10	10
216-25-7-----beta-BHC		10	10
216-26-8-----delta-BHC		10	10
22-22-3-----gamma-BHC	Ullmann	10	10
71-44-8-----heptadecan		10	10
216-17-2-----Aldrin		10	10
1124-27-2-----Heptachlor acetate		10	10
623-12-8-----Endosulfan I		10	10
60-57-1-----Dieldrin		20	10
71-22-9-----4,4'-DDT		20	10
71-21-8-----Endrin		20	10
12212-65-9-----Endosulfan II		20	10
71-54-3-----4,4'-DDD		20	10
1101-07-8-----Endosulfan sulfate		20	10
50-16-2-----4,4'-DDT		20	10
72-43-8-----Methoxychlor		100	10
53484-70-5-----Endrin ketone		20	10
5103-71-8-----alpha-Chlordane		100	10
5103-74-2-----gamma-Chlordane		100	10
8001-35-2-----Tokaphene		200	10
12874-11-2-----Aroclor-1016		100	10
11104-28-2-----Aroclor-1021		100	10
11141-18-5-----Aroclor-1122		100	10
53484-21-2-----Aroclor-1242		100	10
12872-29-6-----Aroclor-1248		100	10
11097-89-1-----Aroclor-1254		200	10
11096-82-5-----Aroclor-1260		200	10

Appendix D
Reviewed and Corrected
Tentatively Identified Compounds

AR303763

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CBE27

Lab Name: CEIMIC CORP Contract: 63D90028 EPA SAMPLE NO. CBE27
Lab Code: CEIMIC Case No.: 15828 SAS No.: _____ SDG No.: CBE27
Matrix: (soil/water) WATER Lab Sample ID: 910068-01
Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 62932
Level: (low/med) LOW Date Received: 02/06/91
% Moisture: not dec. Date Analyzed: 02/12/91
Column (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS:
Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: <u>CEIMIC CORP</u>	Contract: <u>68D30029</u>	EPA Sample No.: <u>CBE29</u>
Job Code: <u>CEIMIC</u>	Case No.: <u>15889</u>	SAS No.: <u> </u>
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: <u>910086-02</u>	
Sample wt/vol: <u>5.0</u> (g/mL) <u>ML</u>	Lab File ID: <u>E2949</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>02/06/91</u>	
% Moisture: not dec.	Date Analyzed: <u>02/13/91</u>	
Column (pack/cap) <u>PACK</u>	Dilution Factor: <u>2.5</u>	

CONCENTRATION UNITS:
Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
=====	=====	=====	=====	=====
=====	=====	=====	=====	=====

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1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: <u>CEIMIC CORP</u>	Contract: <u>68D90029</u>	EPA SAMPLE NO. <u>CBE28</u>
Lab Code: <u>CEIMIC</u>	Case No.: <u>15838</u>	SAS No.: _____ SDG No.: <u>CBE27</u>
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: <u>910068-02</u>	
Sample wt/vol: <u>1000</u> (g/mL) <u>ML</u>	Lab File ID: <u>D4854</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>02/08/91</u>	
% Moisture: not dec. _____ dec. _____	Date Extracted: <u>02/11/91</u>	
Extraction: (Sep/F/Cont/Sonic) <u>SEPF</u>	Date Analyzed: <u>02/21/91</u>	
GPC Cleanup: (Y/N) <u>N</u>	pH: <u>7.5</u>	Dilution Factor: <u>1.0</u>

CONCENTRATION UNITS:
Number TICs found: 19 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000000	C4-benzene isomer	12.37	11	IBJ
2. 000000	C4-benzene isomer	12.45	18	IBJ
3. 000000	C4-benzene isomer	13.12	18	IBJ
4. 000000	Carboxylic acid	15.42	13	IBJ
5. 000000	C9H8O isomer	15.60	6.0	IBJ
6. 000000	Unknown	16.92	6.0	IBJ
7. 000000	Unknown	17.64	5.0	IBJ
8. 000000	C10H12O2 isomer	18.17	17	IBJ
9. 000000	C10H12O2 isomer	18.47	7.0	IBJ
10. 000000	Unknown	18.94	9.0	IBJ
11. 000000	C10H12O2 isomer	19.12	12	IBJ
12. 000000	Unknown	19.87	7.0	IBJ
13. 000000	Unknown	20.14	5.0	IBJ
14. 143077	Dodecanoic acid	20.37	15	IJ
15. 000000	Tetradecanoic acid	23.27	4.0	IBJ
16. 000000	Unknown	25.72	5.0	IBJ
17. 000000	Unknown	28.19	30	IBJ
18. 000000	Unknown	33.22	11	IBJ
19. 000000	Unknown	42.54	4.0	IBJ

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CBE29

Name: <u>CEIMIC CORP</u>	Contract: <u>68090029</u>		
Lab Code: <u>CEIMIC</u>	Case No.: <u>15838</u>	SAS No.: _____	SDS No.: <u>CBE27</u>
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: <u>910066-03</u>		
Sample wt/vol: <u>5.0</u> (g/mL) <u>ML</u>	Lab File ID: <u>E2636</u>		
Level: (low/med) <u>LOW</u>	Date Received: <u>02/06/81</u>		
% Moisture: not dec.	Date Analyzed: <u>02/12/81</u>		
Column (pack/cap) <u>PACK</u>	Dilution Factor: <u>1.0</u>		

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

<u>CAS NUMBER</u>	<u>COMPOUND NAME</u>	<u>RT</u>	<u>EST. CONC.</u>	<u>0</u>
=====	=====	=====	=====	=====

SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>CEIMIC CORP</u>	Contract: <u>68D90029</u>	<u>CBE29</u>
Lab Code: <u>CEIMIC</u>	Case No.: <u>15828</u>	SAS No.: _____ SDG No.: <u>CBE27</u>
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: <u>910066-03</u>	
Sample wt/vol: <u>1000</u> (g/mL) <u>ML</u>	Lab File ID: <u>A6881</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>02/06/91</u>	
% Moisture: not dec. _____ dec. _____	Date Extracted: <u>02/11/91</u>	
Extraction: (Sep/F/Cont/Sono) <u>SEPF</u>	Date Analyzed: <u>02/20/91</u>	
GPC Cleanup: (Y/N) <u>N</u>	pH: <u>6.6</u>	Dilution Factor: <u>1.0</u>

CONCENTRATION UNITS:
 Number TICs found: 17 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000000	Unknown	6.37	59	IJ
2. 000000	Unknown	7.33	11	IJ
3. 000000	IC9H18O isomer	8.23	37	IJ
4. 000000	IC9H18O isomer	9.75	43	IJ
5. 000000	IC9H18O isomer	10.07	.20	IJ
6. 000000	Carboxylic acid	14.57	6.0IJ	
7. 000000	IC9H18O isomer	14.64	9.0IJ	
8. 000000	Unknown	15.92	9.0IJ	
9. 000000	Unknown	16.89	4.0IJ	
10. 000000	IC10H12O2 isomer	17.22	9.0IJ	
11. 112801	9-Octadecenoic acid	27.17	95	IJ
12. 000000	Unknown	29.37	5.0IJ	
13. 000000	Unknown	32.16	15	IJ
14. 000000	IC26H38O2 isomer	33.02	4.0IJ	
15. 000000	Unknown	33.66	5.0IJ	
16. 000000	Unknown	37.87	7.0IJ	
17. 000000	Unknown	40.57	9.0IJ	

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C8630

Lab Name: CEIMIC CORP Contract: 62060028

Case Code: CEIMIC Case No.: 15238 SAS No.: _____ SDS No.: C8617

Matrix: (soil/water) WATER Lab Sample ID: 910066-04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: E2937

Level: (low/med) LOW Date Received: 02/06/91

% Moisture: not dec. Date Analyzed: 02/12/91

Column (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
=====	=====	=====	=====	=====

1F
SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CBE30

Lab Name: CEIMIC COPP Contract: 68D30029
Lab Code: CEIMIC Case No.: 15838 SAS No.: SDG No.: CBE27
Matrix: (soil/water) WATER Lab Sample ID: 910066-04
Sample wt/vol: 1000 (g/mL) ML Lab File ID: A6882
Level: (low/med) LOW Date Received: 02/06/91
% Moisture: not dec. dec. Date Extracted: 02/11/91
Extraction: (Sep/F/Cont/Sonic) SEP Date Analyzed: 02/20/91
GPC Cleanup: (Y/N) N pH: 6.7 Dilution Factor: 1.0

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000000	Unknown	7.33	6.0IJ	
2. 000000	IC9H19O isomer	8.22	17 IJ	
3. 000000	IC9H18O isomer	9.75	21 IJ	
4. 000000	Unknown	10.04	8.0IJ	
5. 000000	Unknown	34.06	24 IJ	
6. 000000	Unknown	39.34	80 IJ	
7. 000000	Unknown	39.71	10 IJ	

1414
FORM I SV-TIC

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AR303770

12
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: <u>CEIMIC CORP</u>	Contract: <u>6GD40029</u>	EPA Sample No.: <u>CBE31</u>
Case No.: <u>15238</u>	SAS No.: _____	SDS No.: <u>CBE27</u>
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: <u>910066-05</u>	
Sample wt/vol: <u>5.0</u> (g/mL) <u>ML</u>	Lab File ID: <u>E2945</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>02/06/91</u>	
% Moisture: not dec.	Date Analyzed: <u>02/13/91</u>	
Column (pack/cap) <u>PACK</u>	Dilution Factor: <u>1.0</u>	

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1F
SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CBE621

Lab Name: CEIMIC CORP Contract: 68D20028

Lab Code: CEIMIC Case No.: 15829 SAS No.: SDS No.: CBE27

Matrix: (soil/water) WATER Lab Sample ID: 910066-05

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A6883

Level: (low/med) LOW Date Received: 02/06/91

% Moisture: not dec. dec. Date Extracted: 02/11/91

Extraction: (Sep/F/Cont/Sonic) SEPF Date Analyzed: 02/21/91

GPC Cleanup: (Y/N) N pH: 7.1 Dilution Factor: 1.0

CONCENTRATION UNITS:
Number TICs found: 9 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000000	Unknown	24.70	9.01J	
2. 000000	Unknown	27.14	7.01J	
3. 000000	Unknown	33.19	7.01J	
4. 000000	Unknown	34.67	8.01J	
5. 000000	Aliphatic hydrocarbon	34.79	8.01J	
6. 000000	Unknown	37.64	8.01J	
7. 000000	Unknown	38.24	22.1J	
8. 000000	Unknown	39.22	22.1J	
9. 000000	Unknown	40.87	4.01J	

12
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CB632

Lab Name: CEIMIC CORP Contract: 62090013
Case No.: 15633 SAS No.: 55527
Matrix: (soil/water) WATER Lab Sample ID: 910066-06
Sample wt/vol: 5.0 (g/mL) ML Lab File ID: E2946
Level: (low/med) LOW Date Received: 02/06/91
% Moisture: not dec. Date Analyzed: 02/13/91
Column (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS:
Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1213

FORM I VOA-TIC

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**SEMI-VOLATILE ORGANIC
TENTATIVELY IDENTIFIED COMPOUNDS**

CBE27

Lab Name: <u>CEIMIC COPP</u>	Contract: <u>SDG90029</u>	SAS No.: _____	SDG No.: <u>CBE27</u>
Lab Code: <u>CEIMIC</u>	Case No.: <u>15828</u>	Lab Sample ID: <u>910066-06</u>	
Matrix: (soil/water) <u>WATER</u>		Lab File ID: <u>A6879</u>	
Sample wt/vol: <u>1000</u> (g/mL) <u>ML</u>		Date Received: <u>02/06/91</u>	
Level: (low/med) <u>LOW</u>		Date Extracted: <u>02/11/91</u>	
% Moisture: not dec. <u> </u> dec. <u> </u>		Date Analyzed: <u>02/20/91</u>	
Extraction: (Spp/F/Cont/Sand) <u>S6F</u>		Dilution Factor: <u>1.0</u>	
GPC Cleanup: (Y/N) <u>N</u>	pH: <u>7.0</u>		

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

FORM I SV-TIC

1/87

1444

AR303774

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EX-1 SAMPLE NO.

Lab Name: <u>CEIMIC CORP</u>	Contract: <u>SDG90023</u>	<u>C9E33</u>
Job Code: <u>CEIMIC</u>	Case No.: <u>15222</u>	SAS No.: _____ SDG No.: <u>C9E27</u>
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: <u>210066-07</u>	
Sample wt/vol: <u>15.0</u> (g/mL) <u>ML</u>	Lab File ID: <u>E2347</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>02/06/91</u>	
% Moisture: not dec.	Date Analyzed: <u>02/13/91</u>	
Column (pack/cap) <u>PACK</u>	Dilution Factor: <u>1.0</u>	

CONCENTRATION UNITS:
Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1218

FORM I VOA-TIC

1/87 Rev.

AR303775

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>CETIMIC CORP</u>	Contract: <u>SDG30028</u>	<u>CBE33</u>
Lab Code: <u>CETIMIC</u>	Case No.: <u>15828</u>	SAS No.: _____ SDG No.: <u>CBE27</u>
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: <u>910066-07</u>	
Sample wt/vol: <u>1000</u> (g/mL) <u>ML</u>	Lab File ID: <u>A6880</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>02/06/91</u>	
% Moisture: not dec. _____ dec. _____	Date Extracted: <u>02/11/91</u>	
Extraction: (SepF/Cont/Sonic) <u>SEPF</u>	Date Analyzed: <u>02/20/91</u>	
GPC Cleanup: (Y/N) <u>N</u>	pH: <u>6.9</u>	Dilution Factor: <u>1.0</u>

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
=====	=====	=====	=====	=====

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CBE34

Lab Name: CEIMIC CORP Contract: 62050028

ID Code: CEIMIC Case No.: 15828 SAS No.: _____ SDS No.: CBE37

Matrix: (soil/water) SOIL Lab Sample ID: 910066-08

Sample wt/vol: 5.0 (g/mL) 16 Lab File ID: C6947

Level: (low/med) LOW Date Received: 02/06/91

% Moisture: not dec. 21 Date Analyzed: 02/12/91

Column (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:
Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
=====	=====	=====	=====	=====

222

FORM I VOA-TIC

1/97 Rev.

AR303777

SEMIVOLP ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>CEIMIC CORP</u>	Contract: <u>68090028</u>	<u>C9E24</u>
Lab Code: <u>CEIMIC</u>	Case No.: <u>15828</u>	SAS No.: _____
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>910066-08</u>	
Sample wt/vol: <u>30.5</u> (g/mL) <u>6</u>	Lab File ID: <u>D5280</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>02/06/91</u>	
% Moisture: not det. <u>19</u> dec. _____	Date Extracted: <u>02/15/91</u>	
Extraction: (Sep/F/Cont/Sonic) <u>SONIC</u>	Date Analyzed: <u>03/31/91</u>	
GPC Cleanup: (Y/N) <u>N</u>	pH: <u>7.8</u>	Dilution Factor: <u>6.0</u>

CONCENTRATION UNITS:
Number TICs found: 7 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000000	160H16 Isomer	4.92	1200	IBJ
2. 000000	Unknown	5.03	3400	IBJ
3. 122122	14-Hydroxy + methyl 2-pentanone	5.58	55000	IBJ
4. 000000	Unknown	7.37	4600	IBJ
5. 000000	Unknown	37.94	1700	IBJ
6. 000000	Unknown	39.19	2200	IBJ
7. 000000	Unknown	40.86	1400	IBJ

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP. Contract: 68D90029 | CBE35
Lab Code: CEIMIC Case No.: 15228 SAS No.: _____ SDG No.: CBE27
Matrix: (soil/water) SOIL Lab Sample ID: 910066-09
Sample wt/vol: 5.0 (g/mL) 6 Lab File ID: C6950
Level: (low/med) LOW Date Received: 02/06/91
% Moisture: not dec. 29 Date Analyzed: 02/12/91
Column (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:
Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1229

AR303779

Lab Name: CEIMIC COPP Contract: 62090028 | CEIMIC
 Lab Code: CEIMIC Case No.: 15008 SAS No.: SDG No.: CBE27
 Matrix: (soil/water) SOIL Lab Sample ID: 910066-09
 Sample wt/vol: 20.3 (g/mL) G Lab File ID: DS257
 Level: (low/med) LOW Date Received: 02/06/91
 % Moisture: not dec. 21 dec. Date Extracted: 02/15/91
 Extraction: (Sep/F/Cont/Sonic) SONIC Date Analyzed: 03/28/91
 GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 9.0

CONCENTRATION UNITS:
 Number TICs found: 5 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000000	Unknown	5.29	4500	IBJ
2. 112112	1-Hydroxy-1-methyl-2-pentanone	5.31	96000	IBS
3. 000000	Unknown	7.58	6000	IBJ
4. 000000	Unknown	39.69	6000	IBJ
5. 000000	Unknown	41.11	4500	IBJ

WESTON

Appendix E
Organic Regional Data Assessment Summary

AR303781

TPO: ACTION FYI

Page 1 of 6
Region III

ORGANIC REGIONAL DATA ASSESSMENT SUMMARY

CASE NO: 15818
SDG NO: CBE27
SOW: 2/88
NO. OF SAMPLES: 7

LABORATORY: CETMIC
DATA USER: Paula Retzler
REVIEW COMPLETION DATE: 04/26/91
MATRIX: Aqueous

REVIEWER: ESAT

	VOA	BNA	PEST	OTHER
1. HOLDING TIMES	X	0	X	
2. GC-MS TUNE/GC PERFORMANCE	0	0	0	
3. INITIAL CALIBRATIONS	0	0	0	
4. CONTINUING CALIBRATION	X	X	0	
5. FIELD BLANKS (F=NOT APPLICABLE)	0	0	0	
6. LABORATORY BLANKS	0	0	0	
7. SURROGATES	0	0	0	
8. MATRIX SPIKE/DUPLICATES	0	0	0	
9. REGIONAL QC (F=NOT APPLICABLE)	F	F	F	
10. INTERNAL STANDARDS	0	0	0	
11. COMPOUND IDENTIFICATION	0	0	0	
12. COMPOUND QUANTITATION	OA	0	0	
13. SYSTEM PERFORMANCE	0	0	0	
14. OVERALL ASSESSMENT	0	0	0	

O = No problems or minor problems that do not affect data usability
X = No more than about 5% of the data points are qualified as either estimated or unusable.
M = More than about 5% of the data points are qualified as estimated.
Z = More than about 5% of the data points are qualified as unusable.
A = TPO action requested; use in conjunction with one of the above codes.

TPO ACTION ITEMS: For samples CBE28, CBE28MS, CBE28MSD, CBE29, & CBE30, the results for total xylenes were reported as "E", estimated, but no re-analyses were reported.

AREAS OF CONCERN: _____

DOCUMENTATION ATTACHED (See Following Pages) _____

AR303782

TPO: [] ACTION [X] FYI

Page 2 of 6
Region III

ORGANIC REGIONAL DATA ASSESSMENT SUMMARY

CASE NO: 15838
SDG NO: CBE27
SOW: 2/88
NO. OF SAMPLES: 2

LABORATORY: CEIMTC
DATA USER: Paula Retzler
REVIEW COMPLETION DATE: 04/26/91
MATRIX: Soil

REVIEWER: ESAT

	VOA	BNA	PEST	OTHER
1. HOLDING TIMES	<u>0</u>	<u>M</u>	<u>M</u>	<u></u>
2. GC-MS TUNE/GC PERFORMANCE	<u>0</u>	<u>0</u>	<u>0</u>	<u></u>
3. INITIAL CALIBRATIONS	<u>X</u>	<u>X</u>	<u>0</u>	<u></u>
4. CONTINUING CALIBRATION	<u>X</u>	<u>X</u>	<u>0</u>	<u></u>
5. FIELD BLANKS (F=NOT APPLICABLE)	<u>0</u>	<u>0</u>	<u>0</u>	<u></u>
6. LABORATORY BLANKS	<u>0</u>	<u>0</u>	<u>0</u>	<u></u>
7. SURROGATES	<u>0</u>	<u>0</u>	<u>0</u>	<u></u>
8. MATRIX SPIKE/DUPLICATES	<u>0</u>	<u>0</u>	<u>0</u>	<u></u>
9. REGIONAL QC (F=NOT APPLICABLE)	<u>F</u>	<u>F</u>	<u>F</u>	<u></u>
10. INTERNAL STANDARDS	<u>0</u>	<u>0</u>	<u>0</u>	<u></u>
11. COMPOUND IDENTIFICATION	<u>0</u>	<u>0</u>	<u>0</u>	<u></u>
12. COMPOUND QUANTITATION	<u>0</u>	<u>0</u>	<u>0</u>	<u></u>
13. SYSTEM PERFORMANCE	<u>0</u>	<u>0</u>	<u>0</u>	<u></u>
14. OVERALL ASSESSMENT	<u>X</u>	<u>X</u>	<u>X</u>	<u></u>

O = No problems or minor problems that do not affect data usability.
X = No more than about 5% of the data points are qualified as either estimated or unusable.
M = More than about 5% of the data points are qualified as estimated.
Z = More than about 5% of the data points are qualified as unusable.
A = TPO action requested; use in conjunction with one of the above codes.

TPO ACTION ITEMS: _____

AREAS OF CONCERN: _____

DOCUMENTATION ATTACHED (See Following Pages) _____

AR303783

ORGANIC REGIONAL DATA ASSESSMENT SUMMARY NOTES
Case 15818 SDG CBE27 Aqueous Samples

- Item 1A The technical holding time for volatiles analysis was exceeded by two days for samples CBE28, CBE31, CBE32 & CBE33.
- Item 1C The pesticide analyses of samples CBE28 and CBE31 exceeded the analysis holding time by four (4) days.
- Item 3A One compound had a % RSD greater than 30.0 % during the initial calibration. (See Table 1 in Appendix F.)
- Item 3B Several compound had % RSD's greater than 30 % during the initial calibration. (See Table 1 in Appendix F.)
- Item 4A Several compounds had % D's greater than 25.0 % during continuing calibrations. (See Table 1 in Appendix F.)
- Item 5A The maximum concentration of the following compound was determined in the trip blank.

<u>Compound</u>	<u>Concentration</u>
Methylene chloride	6 ug/L

- Item 6A The maximum concentration of the following contaminant & B were determined in the laboratory method blanks.

<u>Compound</u>	<u>Concentration</u>
Methylene chloride *	3J ug/L
Acetone *	13 ug/L
2-Hexanone	2J ug/L
1,4-dichlorobenzene	48J ug/L

* common laboratory contaminant

- Item 8B The MS/MSD analyses of sample CBE28 had one (1) out of twenty-two (22) spike recoveries outside of QC limits. (See Form III in Appendix F.)

AR303784

Item 12 Several non-spiked compounds, other than blank
A & B contaminants, were determined in the initial and MS/MSD
analyses of samples CBE28. The following table lists
the results and precision estimate for those compounds.

Compound	CBE28	Concentrations (ug/L)			%RSD
		MS	MSD		
Ethylbenzene	280L	260	280	4.2	
Total xylenes	580J	530E	620E	7.8	
2-Nitrophenol	ND	2J	2J	0#	
Naphthalene	17	49	35	47.6	
2-Methylnaphthalene	ND	3J	2J	40#	

ND = Compound was not detected

IN = Value is indeterminate

%RSD = Percent Relative Standard Deviation

= Value is Relative Percent Difference

AR303785

ORGANIC REGIONAL DATA ASSESSMENT SUMMARY NOTES
Case 15838 SDG CBE27 Soil Samples

- Item 1B For samples CBE34 & CBE35, the extraction holding times were exceeded by three (3) days and the analysis holding times were exceeded by fourteen (14) and eleven (11) days respectively.
- Item 1C For samples CBE34 & CBE35 (soils), the extraction holding times were exceeded by three (3) days and the analysis holding times were exceeded by four (4) days.
- Item 3A One compound had a \pm RSD greater than 30.0 % during the initial calibration. The response factor (RF) for 2-butanone was less than 0.05 in the volatile analyses initial calibrations. (See Table I in Appendix F.)
- Item 3B Several compound had \pm RSD's greater than 30 % during the initial calibration. (See Table I in Appendix F.)
- Item 4A & B Several compounds had \pm D's greater than 25.0 % during continuing calibrations. The response factor (RF) for 2-butanone was less than 0.05 in the volatile analyses continuing calibrations. (See Table I in Appendix F.)
- Item 5A The maximum concentration of the following compound was determined in the trip blank.

<u>Compound</u>	<u>Concentration</u>
-----------------	----------------------

Methylene chloride	6 ug/L
--------------------	--------

- Item 6A & B The maximum concentration of the following contaminant were determined in the laboratory method blanks.

<u>Compound</u>	<u>Concentration</u>
-----------------	----------------------

Methylene chloride *	33 ug/L
Acetone *	13 ug/L

2-Hexanone	23 ug/L
------------	---------

1,4-dichlorobenzene	48J ug/L
---------------------	----------

* common laboratory contaminant

- Item 8B The MS/MSD analyses of sample CBE34 had two (2) out of twenty-two (22) spike recoveries outside of the QC limits. (See Form III in Appendix F.)

AR303786

Item 12 Several non-spiked compounds, other than blank
 A & B contaminants, were determined in the initial and MS/MSD
 analysis of sample CBE34. The following table lists
 the results and precision estimate for those compounds.

<u>Compound</u>	<u>CBE34</u>	<u>Concentrations (ug/Kg)</u>			<u>%RSD</u>
		<u>MS</u>	<u>MSD</u>		
Tetrachloroethene	ND	2J	2J		0#
Naphthalene	460J	ND	800J		51.0#
Diethylphthalate	1900J	980J	1400		32.3
Di-n-butylphthalate	ND	ND	97J		IN
Butylbenzylphthalate	6000J	3500	3100		37.4
bis(2-Ethylhexyl) phthalate	12000J	7200	3600		55.5
Benzo(b)fluoranthene	ND	ND	84J		IN

ND = Compound was not detected

IN = Value is indeterminate

%RSD = Percent Relative Standard Deviation

= Value is Relative Percent Difference

AR303787

WESTON

**Appendix F
Support Documentation**

AR303788

TABLE I
 ENVIRONMENTAL PROTECTION AGENCY REGION III
 CALIBRATION OUTLIERS
 VOLATILE HSL COMPOUNDS
 CONTRACTOR CEMIC

2439-19

¹ See last page of this table for DEFINITION OF CLASS.

AR303789

2-11-2-11

TABLE I
ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE ASL COMPOUNDS
CONTRACTOR CRIMEC

CASE/SAC #2. 15B38

	1	2	3	4	5	6	7	8	9	10
2-11-2-11-2										
2-11-2-11-2-1	2/7/91	2/10/91	114	2/10/91	131					
2-11-2-11-2-1-1	2-11-2-11-2-1-1	2-11-2-11-2-1-1	2-11-2-11-2-1-1	2-11-2-11-2-1-1	2-11-2-11-2-1-1	2-11-2-11-2-1-1	2-11-2-11-2-1-1	2-11-2-11-2-1-1	2-11-2-11-2-1-1	2-11-2-11-2-1-1
2-11-2-11-2-1-1-1										
2-11-2-11-2-1-1-2										
2-11-2-11-2-1-1-3										
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2-11-2-11-2-1-1-5										
2-11-2-11-2-1-1-6										
2-11-2-11-2-1-1-7										
2-11-2-11-2-1-1-8										
2-11-2-11-2-1-1-9										
2-11-2-11-2-1-1-10										
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2-11-2-11-2-1-1-12										
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2-11-2-11-2-1-1-37										
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2-11-2-11-2-1-1-62										
2-11-2-11-2-1-1-63										
2-11-2-11-2-1-1-64										
2-11-2-11-2-1-1-65										
2-11-2-11-2-1-1-66										
2-11-2-11-2-1-1-67										
2-11-2-11-2-1-1-68										
2-11-2-11-2-1-1-69										
2-11-2-11-2-1-1-70										
2-11-2-11-2-1-1-71										
2-11-2-11-2-1-1-72										
2-11-2-11-2-1-1-73										
2-11-2-11-2-1-1-74										
2-11-2-11-2-1-1-75										
2-11-2-11-2-1-1-76										
2-11-2-11-2-1-1-77										
2-11-2-11-2-1-1-78										
2-11-2-11-2-1-1-79										
2-11-2-11-2-1-1-80										
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2-11-2-11-2-1-1-87										
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2-11-2-11-2-1-1-89										
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2-11-2-11-2-1-1-91										
2-11-2-11-2-1-1-92										
2-11-2-11-2-1-1-93										
2-11-2-11-2-1-1-94										
2-11-2-11-2-1-1-95										
2-11-2-11-2-1-1-96										
2-11-2-11-2-1-1-97										
2-11-2-11-2-1-1-98										
2-11-2-11-2-1-1-99										
2-11-2-11-2-1-1-100										
2-11-2-11-2-1-1-101										
2-11-2-11-2-1-1-102										
2-11-2-11-2-1-1-103										
2-11-2-11-2-1-1-104										
2-11-2-11-2-1-1-105										
2-11-2-11-2-1-1-106										
2-11-2-11-2-1-1-107										
2-11-2-11-2-1-1-108										
2-11-2-11-2-1-1-109										
2-11-2-11-2-1-1-110										
2-11-2-11-2-1-1-111										
2-11-2-11-2-1-1-112										
2-11-2-11-2-1-1-113										
2-11-2-11-2-1-1-114										
2-11-2-11-2-1-1-115										
2-11-2-11-2-1-1-116										
2-11-2-11-2-1-1-117										
2-11-2-11-2-1-1-118										
2-11-2-11-2-1-1-119										
2-11-2-11-2-1-1-120										
2-11-2-11-2-1-1-121										
2-11-2-11-2-1-1-122										
2-11-2-11-2-1-1-123										
2-11-2-11-2-1-1-124										
2-11-2-11-2-1-1-125										
2-11-2-11-2-1-1-126										
2-11-2-11-2-1-1-127										
2-11-2-11-2-1-1-128										
2-11-2-11-2-1-1-129										
2-11-2-11-2-1-1-130										
2-11-2-11-2-1-1-131										
2-11-2-11-2-1-1-132										
2-11-2-11-2-1-1-133										
2-11-2-11-2-1-1-134										
2-11-2-11-2-1-1-135										
2-11-2-11-2-1-1-136										
2-11-2-11-2-1-1-137										
2-11-2-11-2-1-1-138										
2-11-2-11-2-1-1-139										
2-11-2-11-2-1-1-140										
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2-11-2-11-2-1-1-142										
2-11-2-11-2-1-1-143										
2-11-2-11-2-1-1-144										
2-11-2-11-2-1-1-145										
2-11-2-11-2-1-1-146										
2-11-2-11-2-1-1-147										
2-11-2-11-2-1-1-148										
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2-11-2-11-2-1-1-165										
2-11-2-11-2-1-1-166										
2-11-2-11-2-1-1-167										
2-11-2-11-2-1-1-168										
2-11-2-11-2-1-1-169										
2-11-2-11-2-1-1-170										
2-11-2-11-2-1-1-171				</td						

TABLE II

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ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIFORNIA OUTLAWERS
SEMICONDUCTOR AND COMPOUNDS (Part 1 of 2)
8 CONTAMINANTS

NAME, F.A.C. No. 15838 CONTRACTOR CEDAR

34313-3

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ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION CONTRACTORS
SEMICONDUCTOR TEST COMPOUNDS (Part 2 of 2)
CASE NO. 15836 CONTRACTOR CEMTEL

Instrument	Unit, Cal.	Coast, Cal.					
Sample No.	9-11-70	12-10-70	1001				
1-Benzeno[1,4]diazepine	CBG 142	CBG 140					
2,4-Dinitrophenylurea							
2-Chloro-1,3-butadiene							
4-Chlorocinnamyl- <i>o</i> -methylether							
Fluorobenzene							
4-Methoxyaniline							
4-Nitro-2-methylphenol							
N-Vinylsuccinimide							
4-Nitromannonyl- <i>o</i> -methylether							
Phenol- <i>p,p'</i> -azobisiso							
Phenylbenzene							
Phenylbenzene							
Isophthalic acid							
2-Chloro-4-nitrophenol							
Fluorobutene							
Butene							
Butylbenzylchloridate							
1,3-Diaminopropanimidine							
Benzal'anthracene							
Chrysene							
1,3,5-Triphenylbenzylchloridate							
2-Chloro-4-nitrophenol							
Benzal'fluorobutene							
Benzal'4-fluorobutene							
Benzal'4-pyrene							
Indeno[1,2,3-d]pyrene							
Cyclohexa[1,2,3,4]butadiene							
Benzocyclo[2,2,1]heptene							
		CBG 32					
AFFECTED SAMPLES:		CBG 33					
		CBG 29					
		CBG 30					
Reviewer Initials/Date: L7 4/8		CBG 31					

¹ See last page of this table for DEFINITION OF CODES.

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TABLE I

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ENVIRONMENTAL PROTECTION AGENCY REGION III
 CALIBRATION OUTLINES
 SEMIOLATENT ESI COMPOUNDS (Part 1 of 2)
 CASE NO. 15679 CONTRACTOR CERMAC

Instrument	1042	Cal.	1042	Cal.	1042	Cal.	1042	Cal.	1042	Cal.	1042
DATE TESTED	12-22-70	12-19-70	1042	12-21-70	1042	12-22-70	1042	12-23-70	1042	12-24-70	1042
	IRF 1042SD	IRF 1042									
Phenol											
1,2-Dimethoxyether											
2-Chlorophenol											
2,3-Dichlorophenene											
2,4-Dichlorophenene											
Acetyl alcohol											
2-Bromoethene											
2-Mercaptobenzaldehyde											
2-(2-Mercaptoacetyl)ether			31.3°C		49.2°C	49.4°C				48.0°C	
4-Methylphenol											35.6°C
N,N'-Bis(2,4-dichlorophenyl)amine											
4-Aminobiphenene											
4-Nitrobenzene											
2,2-Dibromoethane											
2,2-Dimethoxyethane											
2,4-Dimethoxyphenol											
3,5-Dinitrobenzoic acid					129.1°C				129.3°C		
2-(2-Chlorophenoxy)ethane											
2,4-Dichlorophenol											
2,3,4-Trichlorobenzene											
Methanol											
4-Nitroaniline											
Quinoliniumchloride											
4-Chloro-2-Methylphenol											
2-Methylmethanobiphenol											
Benzylidenebenzocyclobutadiene		39.0	I			139.7°C				144.4°C	
2,4,6-Trichlorophenol											
2,4,5-Trichlorophenol											
2-Chloronaphthalene											
2-Nitroaniline											
Dimethylbenzylamine											
Isopropenylbenzene											
2,6-Dinitrophenylene											
2-Nitroaniline											
Arenaphthene											
2,4-Dinitrophenol		34.8	I						146.5°C		
4-Nitrophenol											

ALL	SALK 01	CRF 28	SALK 03	CRF 35
SAMPLE		CRF 28 MS		CRF 35 MS
WATER		CRF 28 MS		

page

Reviewer
 Initials/Date: LCH 4-11

AR303793

TABLE I

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ENVIRONMENTAL PROTECTION AGENCY REGION 1
CALIFORNIA OUTLINES
SEMICONDUCTOR E&I COMPOUNDS (Part 2 of 2)
CONT-349763 CER MLC

Case No. 15838 CONTRACTOR C&I MCC

* See last page of this table for DEFINITION OF CODES.

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ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIFORNIA POLLUTERS
SEMITOTALIC PCB COMPOUNDS (Part 1 of 2)
PAGE 642 No. 15936 CONTRACTOR (Ex-PC)

	Mass, Cal.	Cong. Cal.				
1,2-DIBROMOETHANE:	122.72-74					
1-Chloroethane:	58.52	58.52	58.52	58.52	58.52	58.52
1-Chloropropane:						
1,2-Dichloropropane:						
1,3-Dichloropropane:						
1,4-Dichloropropane:						
1-Bromoethane:						
1,2-Dichloropropene:						
1-Methylbenzene:						
1,3-Dimethylbenzene:						
1,4-Dimethylbenzene:						
1,2-Dimethylbenzene:						
1,3-Dimethylbenzene:						
Benzene acid:				106.0 C		
1,1,2-Trichloroethoxy methane:						
2,4-Dichlorophenol:						
2,4-Dichloropropane:						
Methacrylate:						
4-Chloraniline:						
4-Ethoxyaniline:						
4-Chloro-3-Methylphenol:						
2-Vinylchlorothalene:						
Hexachlorocyclohexadiene:	139.0 I	136.0 C				
2,4,6-Trichlorophenol:						
2,4,5-Trichlorophenol:						
2-Vinylchlorothalene:						
4-Vinylaniline:						
Dimethylmethalate:						
Isopropenylbenzene:						
2,6-Dimethyltoluene:						
2-Vinylaniline:						
Aconadithiophene:						
2,4-Dinitrophenol:	134.8 I	131.0 C				
4-Vinylphenol:		124.0 C				
AFFECTIONED SAMPLES:	not	CB# 34				
Reviewer Initials/Date:	LGB	4/15				
	Sample					
	This					
	page					

Reviewer
Initials/Date: LGB 4-18

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TABLE I

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ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIFORNIA OUTLINES
SEMIVOLATILE RSL COMPOUNDS (Part 2 of 2)
CONTRACTOR C&H MIL

CASE/FILE No. 15839 CONTRACTOR CC + MIL

Instrument	Unit, Cal.	Cont, Cal.	Cont, Cal.	Cont, Cal.	Cont, Cal.	Cont, Cal.	Cont, Cal.
DATE/TIME:	12-29-90						
	RF 10 RSD 1%	RF 10 1%	RF 10 1%	RF 10 1%	RF 10 1%	RF 10 1%	RF 10 1%
1-Benzofuran							
2,4-Dinitrotoluene							
Diethylphthalate							
4-Chlorobenyl-chenylether							
Fluorene							
4-Nitroaniline			HPLC				
4,6-Dinitro-2-methylphenol			HPLC				
N,N-Bisaddichanylaniline							
4-Ethoxybenyl-chenylether							
Furan							
Benzene							
Phenanthrene							
Indracene							
Di-n-propylphthalate							
Fluoranthene							
Pyrrole							
Benzylbenzylphthalate							
1,3,5-Triphenoxybenzidine							
Benzocycloheptadiene							
Chrysene							
bis(2-Ethylhexyl)phthalate							
Diisooctylphthalate							
Benzocyclofluoranthene							
Benzocyclofluoranthene							
Benzocycloheptene							
Indeno[1,2,3- <i>cd</i>]pyrene							
Biphenylanthracene							
Benzocycloheptene							
ALL				CB6 34			
AFFECTED SAMPLES:	Samples						
	Part						
	Page						
Reviewer							
Initials/Date:	LSPB 4-15						

* See last page of this table for DEFINITION OF CODES.

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TABLE I

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ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION CUTTERS
SEMICONDUCTOR TEST COMPOUNDS (Part 1 of 2)
CONTRACTORS (EPA)

1852-202 Vol. 15634

SEMIVOLATILE EEL COMPOUNDS (Part 1 of
CONT. 340723 CEFNEC

Instrument	Unit, Cal.	1Cen, Cal.	1Conc, Cal.	1Conc, Cal.	1Conc, Cal.	1Conc, Cal.
Detector:	1222-91	1530-91	172-91	1204	14-3-11	1551
	IRF 1%RSD	IRF 1%D	IRF 1%D	IRF 1%D	IRF 1%D	IRF 1%D
Phenol						
1,2-Dimethylbenzyl ether						
2-Chlorophenol						
1,4-Dichlorobenzene						
1,4-Dichlorobenzeno						
Benzyl alcohol		150.6 C	149.7 C	149.31 C		
1,2-Dichlorobenzene						
2-Methylphenol						
2-(2-Chloroisopropenyl)ether						
2-Methylphenol						
N-Mercapto-4-phenylamine						
Phenylacetanilide						
Phenolbenzene						
Phenolone						
2-Vinylbenzaldehyde						
Benzal acid		171.1 C	132.61 C	130.01 C		
2-(2-Chloroethoxy)methane						
2,4-Dichlorophenol						
1,2,4-Trichlorobenzene						
Vanillin						
4-Chloraniline						
Hexachlorobutadiene						
4-Chloro-2-Methylphenol						
2-Methylphenylmethane		132.3 C	130.01 C	128.1 C		
Hexachlorocyclopentadiene		160.7 C	152.1 C	148.1 C		
2,4,5-Trichlorophenol						
2,4,5-Trichlorophenol						
2-Chloronaphthalene						
2-Chloraniline						
Dimethylchlorotoluene						
Isopropenylbenzene						
2,6-Dinitrophenol						
2-Vinylaniline						
Acenaphthene						
2,4-Dinitrophenol		137.8 C	134.81 C	134.61 C		
4-Vinylbenzol		151.41 C	152.11 C	149.0 C		
AFFECTED SAMPLES:	SPLK 02	CRL 34 MS	SPLK 04			
Reviewer	L98					
Initials/Date:	4-18					

AFFECTED
SAMPLES.

Reviewer LS48
Initials/Date: 5-10

** See last page of this table for DEFINITION OF CODES.*

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TABLE II

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ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION CUTLERS
SEMICONDUCTOR ESL COMPONENES (Part 2 of 2)

FILED, E&E No. 15438 CONTRACTOR CETIMIC

* See last page of this table for DEFINITION OF CODES.

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DEFINITION OF CODES USED IN TABLE I

- I = %RSD exceeded 30% in the initial calibration, positive results are qualified "J", and quantitation limits are qualified "UJ".
- C = %D exceeded 25% in the continuing calibration. Positive results are qualified "J" and quantitation limits are qualified "UJ".
- F = RF less than 0.05 in all calibrations. All quantitation limits are qualified "R".
- + = The "B" qualifier denoting blank contamination supersedes the qualifier issued in this table.

AR303799

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CEIMIC COFFS Contract #: 2BD80029
 Lab Code: CEIMIC Case No.: 12826 SAG No.: _____ SAG No.: 128627
 Instrument ID: MS2 Calibration Date(s): 01/17/81 01/17/81
 Matrix (solid/water) SC11 Level (low/med) LOW Column (pack/dac) CAP

Min RRF for SRCC(*) = 0.300 (0.250 for Bromoform) Max %RSD for CCC(*) = 30.0%

LAB FILE ID:	RRF20 = <u>08874</u>	RRF50 = <u>08873</u>	RRF100 = <u>08875</u>	RRF150 = <u>08876</u>	RRF200 = <u>08877</u>	RRF	RSD
COMPOUND	RRF10 RRF50 RRF100 RRF150 RRF200						
Chloromethane	# 0.819 0.926 0.795 0.632 0.714 0.779 14.7%						
Bromomethane	+ 0.996 1.074 0.941 0.777 0.814 0.920 12.5%						
Vinyl Chloride	+ 0.926 0.993 0.995 0.793 0.862 0.906 9.4%						
Chloroethane	+ 0.805 0.571 0.579 0.463 0.503 0.544 10.7%						
Methylene Chloride	+ 1.548 1.286 1.225 1.213 1.211 1.382 7.3%						
Acetone	+ 0.107 0.294 0.179 0.131 0.144 0.180 34.1%						
Carbon Disulfide	+ 0.237 0.762 0.612 0.372 0.217 0.759 4.3%						
1,1-Dichloroethene	+ 1.111 1.012 1.013 0.647 0.676 1.032 6.1%						
1,1-Dichloroethane	+ 1.812 1.636 1.266 1.472 1.429 1.482 2.5%						
1,1-Dichloroethene (total)	+ 1.128 1.157 1.136 1.108 1.126 1.163 4.8%						
Bromoform	+ 0.014 0.262 0.222 0.782 1.711 2.805 4.8%						
1,1-Dichloroethane	+ 1.827 1.704 1.853 1.705 1.863 1.782 4.5%						
2-Butanone	+ 0.044 0.048 0.052 0.041 0.047 0.048 0.0%						
1,1,1-Trichloroethane	+ 0.875 0.855 0.855 0.622 0.647 0.840 4%						
Carbon Tetrachloride	+ 0.582 0.815 0.883 0.544 0.575 0.577 4.1%						
Vinyl Acetate	+ 0.280 0.402 0.389 0.271 0.277 0.264 14.8%						
Bromodimethylmethane	+ 0.246 0.222 0.222 0.613 0.686 0.636 6.2%						
1,1,2-Trichloroethane	+ 0.244 0.208 0.216 0.217 0.248 0.229 5.5%						
1,1,2-Dichloropropane	+ 0.585 0.523 0.579 0.532 0.513 0.571 8.11%						
Trichloroethene	+ 0.533 0.482 0.445 0.429 0.451 0.483 9.11%						
Dibromoethylmethane	+ 0.773 0.593 0.726 0.712 0.735 0.740 5.4%						
1,1,2-Trichloroethane	+ 0.302 0.284 0.280 0.257 0.285 0.276 7.3%						
Benzene	+ 0.721 0.688 0.729 0.682 0.754 0.715 4.2%						
Trans-1,3-Dichloropropene	+ 0.225 0.208 0.235 0.207 0.252 0.225 8.4%						
Bromoform	# 0.837 0.582 0.624 0.541 0.626 0.597 8.8%						
4-Methyl-2-pentanone	+ 0.223 0.187 0.242 0.135 0.244 0.206 22.4%						
2-Hexanone	+ 0.151 0.112 0.164 0.125 0.187 0.142 15.71%						
Tetrachloroethene	+ 0.706 0.581 0.602 0.627 0.537 0.629 9.4%						
1,1,2,2-Tetrachloroethane	+ 0.413 0.348 0.464 0.385 0.424 0.415 12.2%						
Toluene	+ 0.564 0.527 0.505 0.584 0.563 0.547 5.7%						
Chlorobenzene	# 0.940 0.930 0.932 0.922 0.919 0.893 6.0%						
Ethylbenzene	+ 0.376 0.335 0.376 0.361 0.378 0.365 5.0%						
Styrene	+ 0.714 0.682 0.775 0.721 0.760 0.726 8.11%						
Total Xylenes	+ 0.444 0.413 0.466 0.437 0.445 0.441 4.3%						
Toluene-d8	+ 0.925 0.893 0.764 0.828 0.772 0.860 9.9%						
BF3	+ 0.237 0.342 0.310 0.723 0.749 0.802 5.5%						
1,2-Dichloroethane-d4	+ 1.526 1.502 1.555 1.377 1.361 1.476 7.0%						

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CEMTCO CCPR Contract: 88060028
 Lab Code: CEMTCO Case No.: 13222 SAG No.: SDA No.: C8627
 Instrument ID: M92 Calibration date: 01/17/91 Time: 1046
 Lab File ID: C8641 Init. Calib. Date(s): 01/17/91 01/17/91
 Matrix: (soil/water) SOIL Level: (low/med) LOW Column: (pack/cap) CAP
 Min RRF50 for SPCC/# = 0.300 (0.250 for Bromoform) Max %D for ODC(*) = 25.0%

COMPOUND	PPF	RRF50	%D	
Chloromethane	# 0.778	0.884	12.2	#
Bromomethane	# 0.620	1.329	-44.5	
Vinyl Chloride	* 0.808	0.929	-9.2	*
Chloroethane	# 0.544	0.573	-22.7	
Methylene Chloride	# 1.382	1.284	6.6	
Acetone	# 0.190	0.237	-77.4	
Carbon Disulfide	# 1.758	2.725	-25	
1,1-Dichloroethane	* 1.138	1.153	-20.7	*
1,1,2-Trichloroethane	# 1.488	1.515	-0.8	#
1,1,2-Trichloroethane (actual)	# 1.162	1.138	-20.0	
Chloroform	* 1.305	2.360	-5.5	*
1,1-Dichloroethane	# 1.730	1.725	0.3	
2-Butanone	# 0.348	0.345	8.7	
1,1,1-Trifluoroethane	# 0.540	0.533	1.1	
Carbon Tetrachloride	# 0.577	0.512	-7.3	
Vinyl Acetate	# 0.234	0.311	14.2	
Bromoform	# 0.333	0.722	-20.4	
1,1,2-Dichloropropane	* 0.328	0.215	4.0	*
1,1,1,2-Tetrachloropropane	# 0.871	0.720	-29.1	
Trichloroethane	# 0.463	0.504	-8.9	
Dibromoform	# 0.740	0.588	6.3	
1,1,2-Trichloroethane	# 0.278	0.257	8.9	
Benzene	# 0.715	0.782	-5.2	
Trans-1,2-Dichloropropene	# 0.228	0.196	12.9	
Bromoform	# 0.597	0.562	5.9	#
4-Methyl-2-Fentanylone	# 0.298	0.182	21.4	
2-Hexanone	# 0.142	0.085	-32.1	
Tetrachloroethane	# 0.619	0.688	-9.4	
1,1,2,2-Tetrachloroethane	# 0.415	0.250	15.7	#
Toluene	* 0.547	0.634	-15.9	*
Chlorobenzene	# 0.889	0.962	-8.2	#
Ethylbenzene	* 0.365	0.400	-9.6	*
Styrene	# 0.726	0.780	-4.7	
Total Xylenes	# 0.441	0.480	-11.1	
Toluene-d8	# 0.960	0.958	-11.4	
SFA	# 0.802	0.852	-6.4	
1,2-Dichloroethane-d4	# 1.478	1.413	4.3	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CEIMIC CCFS

Contract: 68D30028

Lab Code: CEIMIC

Case No.: 12828

SAS No.:

SDG No.: CBE27

Instrument ID: MZS

Calibration date: 01/12/91 Time: 1006

Lab File ID: Q3853

Init. Calib. Date(s): 01/17/91

01/17/91

Matrix:(soil/water) SOIL Level:(low/med) LOW Column:(pack/cap) CAP

Min RRF30 for CCC(*) = 0.200 (0.250 for Bromoform) Max %D for CCC(*) = 25.0%

COMPOUND	PPF	RRF30	%D
Chloromethane	# 0.7791	0.5891	14.1 *
Bromomethane	0.6201	1.2211	<u>22.5</u> #
Vinyl Chloride	+ 0.5081	0.3401	-3.8 *
Chloroethane	0.5441	0.5261	-15.1
Methylene Chloride	1.2921	1.2041	12.9
Acetone	0.1301	0.2161	-12.7
Carbon Disulfide	2.7891	2.5281	<u>20.1</u>
1,1-Dichloroethane	+ 1.3281	1.2441	-13.8 *
1,1,1-Trichloroethane	# 1.4281	1.3041	-0.5 *
1,1,2-Trichloroethane (Catal)	1.1621	1.2721	-18.0
Bromoform	+ 1.2481	2.6481	-2.0 *
1,1,2-Trichloroethane	1.7321	1.8221	-2.0
Isobutane	0.0481	0.0611	<u>22.5</u>
1,1,1,1-Tetrachloroethane	0.54401	0.5881	11.3
Carbon Tetrachloride	0.5771	0.4411	23.8
Vinyl Acetate	0.2341	0.3481	8.3
Bromodichloromethane	0.2321	0.7201	-12.9
1,1,2-Trichloropropane	+ 0.2181	0.3081	6.1 *
1,1,1,2-Tetrachloropropane	0.2711	0.7171	<u>25.5</u>
Trichloroethane	0.4631	0.4731	-2.2
Dibromochloromethane	0.7401	0.5421	12.2
1,1,2-Trichloroethane	0.2781	0.2821	8.2
Benzene	0.7151	0.6891	3.6
Trans-1,3-Dichloropropene	0.2251	0.1911	15.1
Bromoform	# 0.5971	0.5851	2.0 *
4-Methyl-1-Pentanone	0.2061	0.2181	-6.0
2-Hexanone	0.1421	0.1231	9.2
Tetrachloroethane	0.6291	0.6271	0.3
1,1,2,2-Tetrachloroethane	# 0.4151	0.4081	-5.5 *
Toluene	+ 0.5471	0.6271	-14.6 *
Chlorobenzene	# 0.5881	0.5341	-5.1 *
Ethylbenzene	+ 0.2651	0.2991	-8.6 *
Styrene	0.7261	0.7321	-0.8
Total Xylenes	0.4411	0.4731	-3.4
Toluene-d8	0.9601	0.9481	-10.2
BFB	0.6021	0.5751	-8.1
1,2-Dichloroethane-d4	1.4761	1.4601	-0.3

CBE 34 MS

CBE 34 MSD

UBLK04

EA
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CEIMIC CORP. Contract #: E3D900028
 Lab Code: CEIMIC Case No.: 15308 SGS No.: SGS17
 Instrument ID: MSE Calibration Dates/As: 02/07/81 02/07/81
 Matrix/(solid/water) WATER Level: (low/med) LOW Column: (pack/cap) PACK
 Min RRF for SPDC(*) = 0.300 (0.250 for Bromoform) Max %RSD for QDC(*) = 30.0%

LAB FILE ID:	RRF20 = E2828	RRF50 = E2824	RRF100 = E2816	RRF150 = E2817	RRF200 = E2829	%
COMPOUND	RRF20	RRF50	RRF100	RRF150	RRF200	RRF
Chloromethane	# 0.438	0.408	0.458	0.422	0.387	0.437
Bromoform	1.152	0.964	1.153	0.970	0.920	1.034
Vinyl Chloride	* 0.320	0.722	0.382	0.801	0.722	0.778
Chloroethane	0.535	0.480	0.557	0.544	0.490	0.533
Methylene Chloride	1.215	0.664	1.053	0.686	0.842	1.112
Acetone	0.440	0.196	0.423	0.211	0.186	0.517
Carbon Tetrachloride	2.055	2.647	2.084	2.640	2.512	2.844
1,1-Dichloroethane	* 1.111	0.508	1.081	0.552	0.386	0.866
1,1,1-Trichloroethane	* 1.111	1.328	1.153	1.394	1.313	1.907
1,1,2-Trichloroethane (total)	1.138	1.764	1.063	1.923	1.081	1.878
Chloroform	* 2.728	2.121	2.749	2.801	2.323	2.520
1,2-Dichloroethane	1.180	1.128	1.291	1.260	1.738	1.533
Heptane	0.373	0.373	0.373	0.373	0.373	4.21
1,1,1-Trichloroethane	0.747	0.531	0.637	0.687	0.700	0.554
Carbon Tetrachloride	0.729	0.620	0.728	0.737	0.680	0.729
Vinyl Acetate	0.317	0.312	0.226	0.221	0.222	1.51
Bromodichloromethane	0.225	0.214	0.210	0.200	0.205	0.749
1,1-Dichloropropane	* 0.251	0.288	0.229	0.329	0.209	0.325
1,1,1,2-Tetrachloropropane	0.329	0.307	0.711	0.789	0.325	12.51
Trichloroethane	0.527	0.452	0.452	0.492	0.445	0.482
Dibromochloromethane	0.260	0.215	0.303	0.203	0.246	0.933
1,1,2-Trichloroethane	0.428	0.356	0.412	0.397	0.280	0.397
Benzene	0.783	0.568	0.645	0.713	0.747	0.687
Trans-1,3-Dichloropropene	0.258	0.194	0.220	0.223	0.264	0.239
Bromoform	# 0.912	0.628	0.436	0.757	0.382	0.750
4-Methyl-2-Pentanone	0.265	0.295	0.212	0.298	0.305	0.317
2-Hexanone	0.271	0.189	0.268	0.186	0.106	0.218
Tetrachloroethene	0.573	0.500	0.542	0.536	0.483	0.527
1,1,2,2-Tetrachloroethane	# 0.673	0.498	0.529	0.589	0.700	0.597
Toluene	* 0.623	0.455	0.515	0.565	0.606	0.555
Chlorobenzene	# 1.043	0.864	0.987	0.951	0.989	0.947
Ethylbenzene	* 0.457	0.314	0.378	0.408	0.432	0.398
Styrene	0.911	0.727	0.866	0.863	0.772	0.835
Total Xylenes	0.808	0.485	0.593	0.585	0.510	0.557
Toluene-d8	1.002	1.063	0.974	0.988	0.947	0.978
SF8	0.716	0.772	0.704	0.620	0.611	0.689
1,1-Dichloroethane-d4	1.532	1.426	1.506	1.402	1.299	1.433

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CEIMIC CORP Contract #: 62D80028
 Lab Code: CEIMIC Case No.: 15208 SAG No.: _____ SDD No.: CBE27
 Instrument ID: MSE Calibration date: 02/12/81 Time: 1114
 Lab File ID: E2004 Init. Calib. Date(s): 02/07/81 02/07/81
 Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) PACK
 Min RRF50 for SPC0(*) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D
<hr/>			
1-Chloromethane	# 0.4271	0.4741	-2.5 #
1,1-Dichloromethane	1.0341	1.2421	-20.1
1-Vinyl Chloride	* 0.7791	0.8281	-7.3 *
1-Chloroethane	0.5331	0.5811	-8.3
1-Methylene Chloride	1.1121	1.0231	7.1
1-Butene	0.2381	0.1711	-12.3
1,1-Dichloroethene	2.8441	2.8171	0.6
1,1,1-Trichloroethane	* 0.5921	0.6441	-4.0 *
1,1,2-Trichloroethane	* 1.8071	1.8541	-2.3 #
1,1,2-Trichloroethane - total	0.6731	1.1121	-14.3
Bromoform	* 0.5291	0.5881	-7.1 *
1,1-Dichloroethane	1.5931	1.0221	-37.4
1,2-Ethanone	0.3721	0.3721	5.3
1,1,1-Trichloroethane	0.5641	0.7221	-13.7
Carbon Tetrachloride	0.7061	0.8301	3.7
1-Vinyl Acetate	0.2221	0.2171	22.8
1-Bromo-1-chloromethane	0.7421	0.8471	-13.1
1,1,2-Trichloroethane	* 0.3251	0.2731	14.5 *
1,1,1,2-Tetrachloroethene	0.7211	0.7121	5.3
Trichloroethane	0.4821	0.4221	12.4
1,2-Bromo-1-chloromethane	0.9821	0.8301	7.1
1,1,2-Trichloroethane	0.3971	0.3461	12.8
1-Benzeno	0.8871	0.7111	-3.5
Trans-1,3-Dichloropropene	0.4291	0.4251	1.7
Bromoform	# 0.7501	0.7621	-2.5 #
1-Methyl-2-Pentanone	0.2171	0.2361	6.8
2-Hexanone	0.2161	0.1811	16.2
Tetrachloroethane	0.5271	0.4761	9.7
1,1,2,2-Tetrachloroethane	# 0.5971	0.6521	-9.2 #
Toluene	* 0.5551	0.5841	-5.2 *
Chlorobenzene	# 0.9471	0.8281	9.4 #
Ethylbenzene	* 0.3981	0.3921	1.3 *
Styrene	0.8251	0.7291	11.5
Total Xylenes	0.5571	0.4891	12.2
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Toluene-d8	0.8721	1.0111	-2.6
IEFB	0.6391	0.7871	-8.7
1,2-Dichloroethane-d4	1.4231	1.8031	-25.8

CBE 27
CBE 29
CBE 30
UBLK 01

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CEM/MIC CCBS Contract: 62D90028
 Lab Order: CEM/MIC Case No.: 15238 GAS No.: SDG No.: C8E27
 Instrument ID: MSE Calibration date: 02/12/91 Time: 1031
 Lab File ID: 21642 Init. Calib. Date(s): 02/07/91 02/07/91
 Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) PACK
 Min RRF50 for SPCC(*) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D
Chloromethane	# 0.437	0.483	-10.5 #
Bromomethane	1.034	1.144	-10.6
Vinyl Chloride	* 0.779	0.771	1.0 *
Chloroethane	0.533	0.534	-0.1
Methylene Chloride	1.112	1.086	1.5
Acetone	0.286	0.246	7.3
Carbon Disulfide	1.544	1.511	11.7
1,1-Dichloroethane	* 0.682	0.624	5.0 *
1,1,1-Trichloroethane	# 1.907	1.916	-0.5 #
1,1,2-Trichloroethane (total)	0.678	1.092	-11.9
Bromoform	* 1.510	2.548	-11.1 *
1,1,2-Trichloroethane	1.582	1.732	-11.8
Isobutane	0.378	0.382	20.7
1,1,1-Trichloroethane	0.684	0.622	6.3
Carbon Tetrachloride	0.706	0.582	20.7
Vinyl Acetate	0.322	0.185	18.4
Bromodichloromethane	0.749	0.773	-3.1
1,1,2,2-Tetrachloroethane	* 0.215	0.297	11.7 *
1,1,1,2-Tetrachloroethane	0.782	0.725	8.3
Trichloroethene	0.482	0.428	11.2
Dibromodichloromethane	0.892	0.718	19.6
1,1,2-Trichloroethane	0.287	0.323	18.6
Benzene	0.687	0.703	-3.2
Trans-1,3-Dichloropropene	0.239	0.211	11.7
Bromoform	# 0.750	0.612	18.4 #
4-Methyl-2-Pentanone	0.217	0.234	26.0
2-Hexanone	0.216	0.141	14.7
Tetrachloroethene	0.527	0.445	15.6
1,1,2,2-Tetrachloroethane	# 0.537	0.532	10.9 #
Toluene	* 0.583	0.583	-5.9 *
Chlorobenzene	# 0.947	0.864	8.8 #
Ethylbenzene	* 0.398	0.385	3.3 *
Styrene	0.935	0.720	13.8
Total Kylanes	0.557	0.487	12.6
Toluene-d8	0.978	1.048	-7.4
SFG	0.699	0.796	-13.9
1,2-Dichloroethane-d4	1.423	1.672	-16.9

CBE 31
CBE 32
CBE 33
CBE 28
CBE 28 MS
CBE 28 MS
UBLK 02

SEMI-VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CEIMIC CORP Contract: 62030028
 Lab Code: CEIMIC Case No.: 15838 SAS No.: SDB No.: C8E27
 Instrument ID: MS1 Calibration Date(s): 08/11/80 08/11/80
 Min RPF for SPCC(%) = 0.050 Max MRSD for ODC(%) = 30.0

LAB FILE ID:	RPF20 = A5097	RPF50 = A5096	RPF80 = A5098	RPF120 = A5099	RPF160 = A5100	RPF	RSD
: COMPCUND	: RPF20	: RPF50	: RPF80	: RPF120	: RPF160	: RPF	: RSD
: Pheno _l	+ 1.5201	1.3911	1.3229	1.3031	1.2771	1.2641	7.1*
: bis(2-Chloroethyl)Ether	1.3041	1.2291	1.1621	1.0421	0.9271	1.1251	12.31
: 1,2-Chloroananol	1.4171	1.3041	1.3321	1.2171	1.1451	1.2931	8.21
: 1,3-Dichlorobenzene	1.6761	1.5521	1.6021	1.4921	1.4271	1.5301	6.21
: 1,4-Dichlorobenzene	+ 1.7141	1.5761	1.6231	1.4751	1.4011	1.5581	7.3*
: Benzyl Alcohol	0.7901	0.7081	0.7051	0.6711	0.6581	0.7061	7.31
: 1,2-Dichlorobenzene	1.5181	1.4401	1.4901	1.3561	1.2541	1.4321	9.51
: 2-Methylnonanol	1.1201	1.0681	1.0331	0.9191	0.9731	1.0051	10.61
: bis(2-Chloroisopropyl)Ether	2.2061	2.0271	2.0481	1.8701	1.7681	1.9891	8.61
: 4-Methylbenzol	1.1041	1.0611	1.0771	0.9551	0.9561	0.9911	12.51
: N-Nitroso-Di-n-propylamine	# 0.9281	0.8321	0.8471	0.8331	0.8001	0.8501	6.14
: Hexachlorobutane	0.5281	0.5291	0.5511	0.5061	0.5561	0.5261	7.21
: Nitrobenzene	0.3701	0.3741	0.3641	0.3361	0.2961	0.3481	9.41
: Isopropane	0.7911	0.7221	0.7081	0.6741	0.6151	0.7021	9.21
: 2-Nitroananol	+ 0.2481	0.2461	0.2421	0.2521	0.2251	0.2421	4.3*
: 2,4-Dimethylbenzol	0.3231	0.3421	0.3421	0.3421	0.3221	0.3361	3.
: Benzoic Acid		0.1781	0.1971	0.2041	0.2031	0.1961	6.
: bis(2-Chloroethyl)Methane	0.5051	0.4631	0.4641	0.4241	0.4041	0.4531	8.81
: 2,4-Dichlorobenanol	+ 0.4061	0.3631	0.3821	0.3741	0.3501	0.3731	5.44
: 1,2,4-Trichlorobenzene	0.4541	0.4121	0.4181	0.4061	0.3821	0.4151	6.21
: Naphthalene	1.1551	1.0021	1.0401	0.9721	0.9521	0.9841	12.71
: 4-Chlorianiline	0.4271	0.3981	0.3981	0.3591	0.3401	0.3871	9.81
: Hexachlorobutadiene	+ 0.2921	0.2551	0.2621	0.2451	0.2211	0.2571	10.44
: 4-Chloro-2-Methylphenol	+ 0.3621	0.3601	0.3201	0.3281	0.3151	0.3391	6.2*
: 2-Methylnaphthalene	0.7831	0.6881	0.7141	0.6441	0.6381	0.6931	8.51
: Hexachlorocyclopentadiene	# 0.1301	0.2961	0.2891	0.2971	0.2951	0.2591	28.0#
: 2,4,6-Trichlorophenol	+ 0.4881	0.4631	0.4881	0.4701	0.4241	0.4681	5.6*
: 2,4,5-Trichlorophenol		0.5161	0.5321	0.4921	0.4471	0.4971	7.41
: 2-Chloronaphthalene	1.4461	1.3261	1.3081	1.2151	1.1961	1.2981	7.71
: 2-Nitroaniline		0.4091	0.4291	0.3991	0.3631	0.4001	6.81
: Dimethyl Phthalate	1.5701	1.6281	1.6221	1.5841	1.4291	1.6481	9.81
: Azenaphthylene	2.1391	1.9561	1.8841	1.7661	1.6471	1.8781	10.01
: 2,6-Dinitrotoluene	0.4041	0.4471	0.4291	0.4261	0.3781	0.4151	6.71
: 3-Nitroaniline		0.3871	0.4031	0.3631	0.3631	0.3821	5.41
: Azenaphthene	+ 1.5001	1.4021	1.3421	1.2241	1.1721	1.3291	10.0*
: 2,4-Dinitrophenol	# 1.0.1211	0.1581	0.1911	0.2091	0.1701	22.8#	
: 4-Nitrophenol	# 0.2151	0.2221	0.2131	0.1911	0.2101	0.2101	6.4#

SEMI-VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CESIMIC CORP Contract: 62D90028
 Lab Code: CESIMIC Case No.: 15328 SAS No.: SDG No.: C8627
 Instrument ID: MS1 Calibration Date(s): 09/11/90 09/11/90
 Min RRF for QCQCs(*) = 0.050 Max RRF for QCQCs(*) = 20.0%

LAB FILE ID:	RRF20 = A5097	RRF50 = A5096	RRF100 = A5099	RRF150 = A5100	RRF	%
COMPOUND	RRF20	RRF50	RRF100	RRF150	RRF	RSD
Dibenzofuran	2.0411	1.8911	1.9161	1.9171	1.8781	7.01
2,4-Dinitrotoluene	0.5531	0.5901	0.6131	0.5821	0.5921	0.5841
Diethylphthalate	2.0791	1.8751	1.8081	1.6401	1.4461	1.7701
4-Chlorophenyl-phenylether	0.8421	0.7161	0.7041	0.6541	0.6111	0.7071
Fluorene	1.6361	1.5581	1.5161	1.4011	1.3501	1.4221
4-Nitroaniline		0.3151	0.3961	0.4141	0.4051	0.3821
4,6-Dinitro-2-Methylphenol		0.1501	0.1551	0.1631	0.1711	0.1611
N,N-Nitrosodimethylaniline (1)	0.8121	0.5791	0.5571	0.5291	0.4681	0.5511
4-Bromophenyl-phenylether	0.2721	0.2381	0.2501	0.2291	0.2171	0.2411
Hexachlorocyclohexane	0.3401	0.2981	0.2071	0.2761	0.2571	0.2981
Fenanthrene		0.1751	0.1851	0.1881	0.1801	0.1851
Phenanthrene	1.3151	1.2001	1.1421	1.0841	0.9781	1.1401
Anthracene	1.2211	1.1281	1.1801	1.0361	0.9631	1.1081
1,3-Di-Butylphthalate	2.1251	1.8531	1.8751	1.8421	1.5761	1.8251
Fluoranthene	1.4201	1.2071	1.1851	1.2371	1.1521	1.2221
Pyrene	1.4221	1.4011	1.5041	1.2901	1.2901	5.51
Butylbenzylenthalate	0.8811	0.9971	0.8681	0.8071	0.8071	0.8241
1,3,5-Dichlorobenzidine	0.4151	0.4171	0.4461	0.4011	0.2801	0.4121
Benz(a)Anthracene	1.3251	1.2611	1.3271	1.2121	1.1491	1.2551
Chrysene	1.3451	1.2201	1.2581	1.1491	1.0621	1.2071
Bis(2-Ethylhexyl) Phthalate	1.2601	1.2231	1.4021	1.2441	1.0841	1.2851
(Di-n-Octyl) Phthalate	2.9411	2.7131	2.6081	2.3851	2.2161	2.5531
Benz(b)Fluoranthene	1.4891	1.4811	1.5071	1.7671	1.8201	1.6131
Benz(k)Fluoranthene	1.3211	1.1821	1.1861	1.3291	1.0551	1.2271
Benz(a)Pyrene	1.2261	1.1771	1.2271	1.1741	1.0801	1.1791
Indeno(1,2,3- <i>cd</i>)Pyrene	0.8701	0.8901	1.0321	1.0821	1.0321	1.0231
Dibenz(a,h)Anthracene	0.8161	0.8081	0.8641	0.8301	0.8781	0.8181
Benz(g,h,i)Perylene	0.9251	0.9121	0.9901	0.9341	0.9391	0.9321
Nitrobenzene-d5	0.2621	0.3641	0.3671	0.3491	0.3231	0.2541
2-Fluorobiphenyl	1.6341	1.4821	1.4641	1.3491	1.3461	1.4551
Tarphenyl-d14	0.8721	0.8931	0.8931	0.7251	0.6771	0.9021
Phenol-d5	1.3111	1.2401	1.2241	1.1461	1.0821	1.2011
2-Fluorophenol	1.1691	1.1311	1.1621	1.0721	1.0211	1.1111
2,4,6-Tribromophenol	0.2611	0.2401	0.2581	0.2541	0.2461	0.2521

(1) Cannot be separated from Diphenylamine

SEPARATION OF POLYANILINE AND POLYCHLOROPHENOL

Lab Name: CEMICO CORP Contract: 68D90008
 Lab Code: CEMICO Case No.: 15808 SAS No.: SDG No.: CBE27
 Instrument ID: M61 Calibration date: 02/20/81 Time: 2007
 Lab File ID: A6379 Init. Calib. Date(s): 02/11/80 02/11/80
 Min RRF50 for SPOC(*) = 0.050 Max %D for CCC(+) = 25.0%

COMPOUND	PPF	RRF50	%D
Phenol	+ 1.364	1.245	8.7 *
bis(2-Chloroethyl)Ether	1.125	1.107	2.5
1-Chlorophenol	1.283	1.185	7.8
1,3-Dichlorobenzene	1.550	1.493	3.7
1,4-Dichlorobenzene	+ 1.558	1.496	4.0 *
Benzyl Alcohol	0.708	0.708	-0.4
1,2-Dichlorobenzene	1.432	1.456	-1.7
1-Chlorophenol	1.005	1.025	-2.0
bis(2-Chloroisopropyl)Ether	1.882	2.253	-19.6
4-Methylenol	0.991	1.089	-9.9
Di-Nitro-2,5-Dimethylamine	# 0.850	0.802	-6.1 *
Hexachloroethane	0.826	0.822	-0.2
Nitrobenzene	0.343	0.328	6.3
Isocyanine	0.702	0.661	5.9
2-Chlorophenol	+ 0.242	0.228	2.2 *
1,4-Dimethoxyphenol	0.238	0.214	6.9
Benzoic Acid	0.196	0.205	-4.6
bis(2-Chloroethoxy)Methane	0.452	0.442	2.4
1,2-Dichlorophenol	+ 0.378	0.322	11.7 *
1,2,4-Trichlorobenzene	0.415	0.290	6.0
Naphthalene	0.884	0.824	5.1
4-Chloroaniline	0.387	0.272	1.3
Hexachlorocyclopentadiene	+ 0.257	0.215	16.3 *
1-Chloro-2-Methylphenol	+ 0.229	0.224	1.5 *
2-Methylnaphthalene	0.822	0.751	-8.4
Hexachlorocyclopentadiene	# 0.259	0.193	(8.3) #
1,2,4,6-Tetrachlorophenol	+ 0.468	0.380	15.0 *
1,2,4,5-Tetrachlorophenol	0.497	0.474	4.6
1-Chloronaphthalene	1.298	1.180	8.3
2-Nitroaniline	0.400	0.407	-1.9
Dimethyl Phthalate	1.648	1.506	8.6
Acenaphthylene	1.872	1.824	-2.4
1,2,6-Dinitrotoluene	0.413	0.385	8.1
1,2-Nitroaniline	0.382	0.352	7.9
Acenaphthene	+ 1.828	1.181	14.8 *
1,2,4-Dinitrophenol	# 0.170	0.149	12.4 #
4-Nitrophenol	# 0.210	0.151	(8.1) #

CBE 32
CBE 33
CBE 29
CBE 30
CBE 31

Lab Name: CSIMIC CORP Contract: 62D40028
 Lab Code: CSIMIC Case No.: 15828 SAS No.: SDG No.: CBE27
 Instrument ID: MS1 Calibration date: 02/20/91 Time: 2007
 Lab File ID: A6372 Init. Calib. Date(s): 08/11/90 08/11/90
 Min RRF0 for SP00/#1 = 0.050 Max %D for CCC(+) = 25.0*

COMPOUND	RRF	RRF0	%D
Dibenzofuran	1.9711	1.6321	10.1
2,4-Dinitroanisole	0.5841	0.5501	5.8
Diethylphthalate	1.7701	1.4901	16.4
4-Chlorophenyl-phenylether	0.7071	0.6191	12.4
Fluorane	1.4321	1.2931	8.2
4-Nitroaniline	0.3821	0.3231	12.8
4,6-Dinitro-2-Methylphenol	0.1811	0.1541	4.3
N-Nitrodecaanylaniline (1)	* 0.5511	0.5111	7.3 *
4-Bromophenyl-phenylether	0.2411	0.2101	12.8
Hexachlorobenzene	0.2981	0.2551	14.4
Pentachlorophenol	* 0.1851	0.1241	11.4 *
Phenanthrene	1.1401	1.1061	-3.9
Anthracene	1.1091	1.1411	-3.2
Dibenzo-Butylbenzalate	1.9351	1.8221	6.8
Fluoranthene	* 1.2821	1.2231	-3.8 *
Pyrene	1.4031	1.4801	-8.5
Butylbenzylbenzalate	0.9341	0.8231	10.8
3,3'-Dichlorobenzidine	0.4121	0.3731	8.3
Benz(a)Anthracene	1.2551	1.2511	0.3
Chrysene	1.2071	1.2861	-6.5
Bis(2-Ethylhexyl)Phthalate	1.2851	1.2221	-3.7
Dibenzo-Detyl Phthalate	* 2.5531	2.6061	-2.1 *
Benz(b)Fluoranthene	1.6131	1.2501	16.3
Benz(k)Fluoranthene	1.2271	1.4061	-14.6
Benz(a)Pyrene	* 1.1791	1.2201	-3.5 *
Indeno(1,2,3-d)Pyrene	1.0231	1.0501	-2.6
Dibenz(a,h)Anthracene	0.9191	1.1221	-22.2
Benz(g,h,i)Perylene	0.9321	1.1131	-18.4
Nitrobenzene-d5	0.3541	0.3241	8.5
2-Fluorobiphenyl	1.4551	1.2441	14.5
Terphenyl-d14	0.8021	0.7581	5.5
Phenol-d5	1.2011	1.2681	-5.7
2-Fluorophenol	1.1111	0.9481	14.7
2,4,6-Tribromophenol	0.2521	0.2271	9.9

(1) Cannot be separated from Diphenylamine

SEMICVOLATILE ORGANICS II CALIBRATION DATA

Lab Name: CESIMIC CORP Contract #: 62030029
 Lab Code: CESIMIC Case No.: 15238 SAS No.: 626 No.: C8E27
 Instrument ID: MS4 Calibration Date(s): 12/27/90 12/27/90
 Min RPF for SPCC(+) = 0.050 Max %RSD for CCC(+) = 20.0

LAB FILE ID:	RPF20 = D4470	RPF50 = D4467	RPF120 = D4472	RPF150 = D4473	%		
COMPOUND	RPF20	RPF50	RPF120	RPF150	RPF		
Phenol	* 1.573	1.714	1.509	1.440	1.217	1.512	8.8*
bis(2-Chloroethyl)Ether	1.388	1.486	1.326	1.258	1.187	1.233	9.5*
2-Chlorophenol	1.322	1.402	1.280	1.262	1.224	1.298	8.2*
1,2-Dichlorobenzene	1.547	1.617	1.473	1.510	1.444	1.520	4.4*
1,4-Dichlorobenzene	* 1.515	1.600	1.424	1.448	1.364	1.470	6.2*
Benzyl Alcohol	0.599	0.711	0.706	0.733	0.773	0.704	9.2*
1,2-Dichlorobenzene	1.468	1.529	1.362	1.359	1.219	1.409	6.4*
2-Methylphenol	1.117	1.150	1.084	1.082	1.076	1.102	2.9*
bis(2-Chloroisopropyl)Ether	1.612	1.740	1.641	1.807	1.800	1.740	8.9*
4-Methylnaphthalene	1.187	1.257	1.132	1.022	1.022	1.138	7.7*
N-Nitroso-Di-n-Propylamine	# 1.051	1.080	0.887	0.863	1.031	1.026	4.8*
Hexachlorobutane	0.624	0.652	0.600	0.575	0.633	0.624	5.7*
Nitrobenzene	0.290	0.409	0.272	0.370	0.263	0.379	4.7*
Isononane	0.783	0.783	0.787	0.791	0.827	0.756	8.8*
2-Nitrophenol	* 0.214	0.236	0.233	0.225	0.175	0.217	11.4*
2,4-Dimethylphenol	0.229	0.279	0.250	0.372	0.322	0.350	7
Benzoic Acid		0.151	0.175	0.186	0.203	0.173	11
bis(2-Chloroethoxy)Methane	0.501	0.522	0.500	0.484	0.442	0.492	6.1*
2,4-Dichlorophenol	* 0.204	0.341	0.217	0.301	0.290	0.211	6.3*
1,1,2,4-Tetrachlorobenzene	0.373	0.386	0.370	0.348	0.287	0.364	5.7*
Naphthalene	1.023	1.041	0.942	0.885	0.830	0.846	9.7*
4-Chloroaniline	0.432	0.387	0.422	0.296	0.280	0.403	5.6*
Hexachlorobutadiene	* 0.225	0.233	0.221	0.220	0.208	0.223	5.2*
4-Chloro-3-Methylphenol	* 0.239	0.376	0.352	0.363	0.353	0.357	3.2*
2-Methylnaphthalene	0.738	0.718	0.633	0.639	0.598	0.665	9.0*
Hexachlorocyclopentadiene	# 0.174	0.116	0.230	0.306	0.308	0.239	37.0*
2,4,6-Trichlorophenol	* 0.435	0.448	0.420	0.408	0.389	0.420	5.5*
2,4,5-Trichlorophenol		0.482	0.467	0.480	0.443	0.468	3.3*
2-Chloronaphthalene	1.349	1.258	1.162	1.142	1.048	1.192	9.7*
2-Nitroaniline		0.474	0.469	0.474	0.462	0.470	1.2*
Dimethyl Phthalate	1.614	1.548	1.372	1.363	1.324	1.445	8.8*
Ananaphthylene	2.062	1.841	1.713	1.672	1.536	1.765	11.2*
2,6-Dinitrotoluene	0.406	0.423	0.440	0.405	0.393	0.406	2.8*
3-Nitroaniline		0.383	0.401	0.392	0.357	0.393	5.0*
Anenaphthene	* 1.229	1.264	1.181	1.116	1.065	1.185	9.8*
2,4-Dinitrophenol	# 0.104	0.168	0.219	0.251	0.185	0.249	34.9*
4-Nitrophenol	# 0.110	0.153	0.170	0.181	0.154	0.203	20.3*

SEC. 1. VOLATILE ORGANIC CALIBRATION DATA

Lab Name: CALMIC CORPContract #: 68090029Lab Code: CALMICCase No.: 15828 SAS No.: _____ SOR No.: C8627Instrument ID: MS4Calibration Date(s): 12/27/80 12/27/80

Min RRF for SPDC(#) = 0.050

Max %ESD for QDC(+) = 20.0%

LAB FILE ID:	RRF20 = D4470	RRF50 = D4467	RRF100 = D4472	RRF160 = D4473	RRF	%
COMPOUND	RRF20	RRF50	RRF100	RRF160	RRF	ESD
Dibenzofuran	1.891	1.850	1.700	1.655	1.611	1.741
1,2,4-Dinitrotoluene	0.565	0.573	0.571	0.575	0.557	0.569
Diethylphthalate	1.839	1.744	1.565	1.454	1.304	1.581
1,4-Chlorobananyl-phenylether	0.803	0.730	0.666	0.611	0.564	0.675
Fluorene	1.582	1.452	1.416	1.421	1.305	1.441
1,4-Nitroaniline		0.323	0.362	0.435	0.424	0.386
1,4,6-Dinitro-2-Methylphenol		0.144	0.156	0.171	0.158	0.157
N-Nitrosodiphenylamine (1)	+ 0.533	0.541	0.478	0.441	0.371	0.477
1,4-Bromobenyl-phenylether	0.240	0.246	0.230	0.227	0.214	0.231
Hexachlorobutane	0.295	0.298	0.274	0.274	0.265	0.279
Pentachlorobenzene		0.134	0.145	0.150	0.127	0.142
Phenanthrene	1.146	1.129	1.042	0.893	0.846	1.052
Anthracene	1.151	1.126	1.025	0.995	0.925	1.044
1-Dim-Butylbenzalate	1.847	1.807	1.640	1.559	1.290	1.663
Fluoranthene	+ 1.451	1.481	1.266	1.242	1.120	1.320
Pyrene	1.420	1.508	1.474	1.452	1.434	1.460
Butylbenzylphthalate	0.856	0.921	0.862	0.854	0.836	0.868
1,3,3'-Dichlorobenzidine	0.372	0.404	0.420	0.388	0.268	0.321
Benzo(a)Anthracene	1.274	1.374	1.316	1.226	1.342	1.326
Chrysene	1.260	1.247	1.267	1.242	1.236	1.276
Bis(2-Ethylhexyl)Phthalate	1.200	1.218	1.193	1.128	1.126	1.120
1-Di-n-Octyl Phthalate	+ 2.330	2.566	2.139	2.084	2.007	2.225
Benzo(b)Fluoranthene	1.268	1.516	1.555	1.719	1.486	1.509
Benzo(k)Fluoranthene	1.280	1.420	0.985	0.971	1.045	1.142
Benzo(a)Pyrene	+ 1.148	1.304	1.166	1.189	1.160	1.193
Indane(1,2,3- <i>cd</i>)Pyrene	0.794	0.966	0.933	1.079	1.054	0.971
Dibenz(a,h)Anthracene	0.791	1.005	0.873	0.968	0.921	0.912
Benzo(g,h,i)Perylene	0.752	0.963	0.868	0.937	0.900	0.884
Nitrobenzene-d5	0.365	0.389	0.271	0.369	0.368	0.372
2-Fluorobiphenyl	1.554	1.463	1.341	1.279	1.189	1.365
Tarphenyl-d14	0.934	1.072	0.966	0.876	0.823	0.946
Phenol-d5	1.630	1.742	1.575	1.511	1.518	1.596
2-Fluorophenol	0.972	1.210	1.152	0.914	0.988	1.047
2,4,6-Tribromophenol	0.233	0.227	0.251	0.266	0.257	0.247

(1) Cannot be separated from Diphenylamine

1524

AR303811

SEMICOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CEIMIC CORP Contract: 68090008
 Lab Code: CEIMIC Case No.: 15838 SDG No.: CBE27
 Instrument ID: MS1 Calibration Date(s): 03/22/91 03/22/91
 Min RPF for SPCC(+) = 0.050 Max %PSD for CCC(+) = 30.00

LAB FILE ID:	RPF20 = A7118	RPF50 = A7118	RPF120 = A7121	RPF160 = A7122	RPF	%
RPF20 = A7120						
COMPOUND	RPF20	RPF50	RPF120	RPF160	RPF	RSO
Phenol	* 1.593	1.714	1.590	1.497	1.247	1.548
bis(2-Chloroethyl)Ether	1.382	1.480	1.417	1.320	1.241	1.363
2-Chlorophenol	1.293	1.406	1.325	1.340	1.273	1.327
1,2-Dichlorobenzene	1.491	1.525	1.479	1.481	1.416	1.479
1,4-Dichlorobenzene	* 1.518	1.515	1.478	1.493	1.419	1.486
Benzyl Alcohol	0.753	0.850	0.910	0.896	0.823	0.814
1,2-Dichlorobenzene	1.430	1.425	1.402	1.408	1.302	1.395
2-Methylphenol	1.155	1.219	1.161	1.119	1.042	1.139
bis(2-Chloroisopropyl)Ether	2.264	2.394	2.307	2.254	2.286	2.223
4-Methylnonanol	1.163	1.301	1.182	1.171	1.104	1.195
N-Vinyl-2-methoxyamine	* 1.082	1.207	1.148	1.111	1.028	1.117
Hexachloroethane	0.573	0.715	0.662	0.656	0.508	0.664
Nitrobenzene	0.433	0.444	0.424	0.390	0.296	0.415
Isoamorone	0.227	0.250	0.208	0.910	0.766	0.912
2-Nitropropanol	* 0.216	0.231	0.218	0.213	0.218	0.14*
2,4-Dimethylphenol	0.229	0.388	0.375	0.381	0.366	0.368
Benzoic Acid		0.211	0.202	0.234	0.230	0.221
bis(2-Chloroethyl)Methane	0.510	0.521	0.487	0.493	0.448	0.491
1,4-Dichloropropanol	* 0.327	0.335	0.315	0.316	0.300	0.319
1,2,4-Trichlorobenzene	0.373	0.377	0.354	0.353	0.340	0.359
Naphthalene	1.025	1.052	0.963	0.915	0.959	0.971
4-Chloroaniline	0.398	0.381	0.375	0.374	0.332	0.372
Hexachlorobutadiene	* 0.262	0.248	0.222	0.236	0.217	0.239
4-Chloro-2-Methylnonanol	* 0.270	0.374	0.352	0.346	0.341	0.357
2-Methylnaphthalene	0.565	0.673	0.642	0.618	0.592	0.638
Hexachlorocyclopentadiene	# 0.296	0.323	0.408	0.401	0.388	0.377
2,4,6-Trichlorophenol	* 0.468	0.450	0.468	0.445	0.438	0.453
2,4,5-Trichlorophenol		0.518	731	0.488	0.509	0.514
2-Chloronaphthalene	1.367	1.306	1.257	1.298	1.208	1.307
2-Nitroaniline		0.542	0.582	0.526	0.532	0.548
Dimethyl Phthalate	1.706	1.623	1.684	1.685	1.569	1.667
Arenaphthylene	2.079	2.001	2.057	1.936	1.819	1.879
2,6-Dinitrotoluene	0.412	0.444	0.440	0.433	0.405	0.427
3-Nitroaniline		0.393	0.426	0.401	0.390	0.402
Arenaphthene	* 1.410	1.359	1.370	1.362	1.259	1.254
2,4-Dinitrophenol	# 0.224	0.235	0.249	0.250	0.240	0.240
4-Nitrophenol	# 0.298	0.308	0.298	0.264	0.290	0.55*

SEMICVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CEIMIC CORP Contract: SDD90029
 Lab Code: CEIMIC Case No.: 15808 SAS No.: SDG No.: CBE27
 Instrument ID: MSI Calibration Date(s): 03/22/91 03/22/91
 Min RRF for SPOR(+) = 0.050 Max %PSD for CDD(+) = 30.0%

LAB FILE ID:	PPF20 = A7119	PPF30 = A7119	PPF30 = A7120	PPF120= A7121	PPF160= A7122	RRF	RSD
Dibenzofuran	1.893	1.804	1.857	1.754	1.664	1.783	4.3
2,4-Dinitrotoluene	0.569	0.612	0.532	0.585	0.557	0.584	3.9
Diethylphthalate	1.976	1.862	1.851	1.711	1.570	1.774	7.4
4-Chlorophenyl-phenylether	0.732	0.726	0.703	0.680	0.630	0.690	6.4
Fluorane	1.387	1.440	1.461	1.280	1.316	1.397	4.1
4-Nicraniline		0.397	0.425	0.409	0.409	0.410	2.8
4,6-Dinitro-2-Methylphenol		0.190	0.179	0.192	0.185	0.182	1.5
N-Nitrosodiphenylamine (1)	* 0.533	0.520	0.532	0.487	0.505	0.517	4.1*
4-Bromo-phenyl-phenylether	0.264	0.253	0.246	0.242	0.238	0.249	4.0
Hexa-undecane	0.340	0.298	0.290	0.227	0.223	0.322	2.3
Pentachloropropenol	*	0.218	0.212	0.210	0.205	0.212	2.8*
Phenanthrene	1.152	1.145	1.144	1.057	1.060	1.120	3.6
Anthracene	1.091	1.118	1.150	1.104	1.079	1.108	2.5
Di-n-Butylphthalate	1.762	1.823	1.818	1.737	1.727	1.773	2.5
Fluoranthene	* 1.254	1.279	1.314	1.231	1.242	1.297	4.0*
Pyrene	1.342	1.299	1.375	1.289	1.222	1.263	2.1
Butylbenzylphthalate	0.792	0.836	0.832	0.810	0.808	0.818	2.2
3,3'-Dichlorobenzidine	0.323	0.429	0.411	0.415	0.380	0.394	9.7
Benz(a)Anthracene	1.128	1.222	1.126	1.223	1.144	1.194	2.9
Chrysene	1.235	1.277	1.246	1.268	1.225	1.252	1.5
bis(2-Ethylhexyl)Phthalate	1.092	1.164	1.172	1.194	1.122	1.157	3.8
Di-n-Octyl Phthalate	* 2.012	2.175	2.108	2.148	2.113	2.112	2.8*
Benz(b)Fluoranthene	1.214	1.263	1.437	1.326	1.475	1.377	7.3
Benz(k)Fluoranthene	1.310	1.201	1.079	1.181	1.049	1.164	9.0
Benz(a)Pyrane	* 1.173	1.175	1.166	1.233	1.183	1.186	2.3*
Indeno(1,2,3-cd)Pyrane	1.071	1.164	1.099	1.243	1.222	1.160	6.4
Dibenz(a,h)Anthracene	1.103	1.142	1.111	1.198	1.145	1.140	3.3
Benz(g,h,i)Perylene	1.095	1.165	1.101	1.175	1.107	1.129	2.4
Nitrobenzene-d5	0.404	0.429	0.399	0.401	0.373	0.402	4.3
2-Fluorobiphenyl	1.668	1.484	1.521	1.510	1.441	1.525	5.6
Tarphenyl-d14	0.992	1.003	0.931	0.964	0.885	0.955	5.0
Phenol-d5	* 1.645	1.746	1.648	1.599	1.535	1.635	4.7
2-Fluorophenol	1.233	1.343	1.280	1.288	1.224	1.274	3.8
2,4,6-Tribromophenol	0.352	0.371	0.360	0.361	0.351	0.359	2.3

(1) Cannot be separated from Diphenylamine

SEMINOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CEIMIC CORP Contract: 6AD900028
 Lab Code: CEIMIC Case No.: 15028 SAS No.: SDG No.: CBE27
 Instrument ID: M91 Calibration date: 03/20/81 Time: 1530
 Lab File ID: A7211 Init. Calib. Date(s): 03/22/81 03/22/81
 Min RRF50 for SPCO(*) = 0.050 Max %D for ODC(*) = 25.0%

COMPOUND	RRF	IRRF50	%D
Phenol	* 1.548	1.537	0.7 *
Bis(2-Chloroethyl)Ether	1.268	1.337	-2.1
2-Chlorobenzene	1.327	1.338	-0.7
1,2-Dichlorobenzene	1.479	1.517	-2.6
1,4-Dichlorobenzene	* 1.486	1.534	-3.2 *
Acetyl Alcohol	0.814	0.402	(50.0)
1,2-Dichlorobenzene	1.395	1.446	-3.7
2-Methylbenzene	1.139	1.105	3.0
Bis(2-Chloroisopropyl)Ether	2.323	2.722	-17.2
4-Methylbenzene	1.185	1.195	0.0
N,N-Nitroso-Di-n-Propylamine	# 1.117	1.108	0.9 #
4-Ethylchlorobenzene	0.684	0.661	0.5
Nitrobenzene	0.415	0.408	1.4
Acetophenone	0.812	0.798	2.0
2-Nitrobenzene	* 0.219	0.229	-4.6 *
2,4-Dimethylbenzeno	0.268	0.297	13.3
Benzoic Acid	0.221	0.117	(47.1)
Bis(2-Chloroethoxy)Methane	0.491	0.509	-2.7
2,4-Dichlorobenzene	* 0.218	0.248	-8.1 *
1,2,4-Trichlorobenzene	0.289	0.286	-7.5
Naphthalene	0.971	1.008	-3.8
4-Chloroaniline	0.273	0.241	8.3
Hexachlorobutadiene	* 0.229	0.267	-11.7 *
4-Chloro-2-Methylbenzene	* 0.357	0.329	8.1 *
2-Methylnaphthalene	0.628	0.844	(20.0)
Hexachlorocyclohexadiene	# 0.277	0.148	(60.0) #
2,4,6-Trichlorophenol	* 0.453	0.390	13.9 *
2,4,5-Trichlorophenol	0.514	0.445	13.4
2-Chloronaphthalene	1.307	1.223	6.4
2-Nitroaniline	0.548	0.447	19.4
Dimethyl Phthalate	1.667	1.507	9.6
Acenaphthylene	1.878	1.618	18.2
2,6-Dinitrotoluene	0.427	0.408	4.4
3-Nitroaniline	0.402	0.314	21.9
Acenaphthene	* 1.354	1.213	10.4 *
2,4-Dinitrophenol	# 0.240	0.159	(33.0) #
4-Nitrophenol	# 0.290	0.141	(51.4) #

SBLK02

SEMI-VOLATILE CONTINUING CALIBRATION

Lab Name: CEIMIC CORP Contract: 62D80029
 Lab Code: CEIMIC Case No.: 15808 SAS No.: SDG No.: CBE27
 Instrument ID: MSI Calibration date: 02/20/81 Time: 1530
 Lab File ID: A211 Init. Calib. Date(s): 02/22/81 02/22/81
 Min PRF50 for SPDC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	PPF	PRF50	%D
Dibenzofuran	1.783	1.794	-0.1
(2,4-Dinitrotoluene	0.584	0.543	7.0
Diisobutylthalate	1.774	1.707	3.8
(4-Chlorophenyl-phenylether	0.690	0.746	-8.1
Fluorene	1.297	1.374	1.6
(4-Nitroaniline	0.410	0.299	29.8
(4,6-Dinitro-2-Methylnaphenol	0.182	0.165	9.3
(N-Nitrosodiphenylamine (1)	* 0.517	0.525	-1.5 *
(4-Bromochenyl-phenylether	0.248	0.279	-12.0
Hexachlorobenzene	0.333	0.380	-14.5
Octachloroethanol	* 0.212	0.164	22.6 *
Phenanthrene	1.120	1.119	0.1
Phoradadane	1.108	1.127	-1.8
(2-Chlorobutylbenzalate	1.773	1.912	-2.2
(2-Vinoranthane	* 1.297	1.250	-4.1 *
Pyrene	1.262	1.427	-4.3
Butylbenzylbenzalate	0.816	0.803	1.6
(2,2'-Dichlorobenzidine	0.394	0.362	8.1
Benzo(a)Anthracadene	1.194	1.310	-9.7
Chrysene	1.252	1.344	-7.3
(2-(2-Ethylhexyl)Phthalate	1.157	1.169	-1.0
(2-n-Octyl Phthalate	* 2.112	2.429	-15.0 *
Benzo(b)Fluoranthene	1.377	1.560	-12.3
Benzo(k)Fluoranthene	1.164	1.259	-16.8
Benzo(a)Pyrene	* 1.186	1.212	-2.2 *
Indeno(1,2,3- <i>cd</i>)Pyrrene	1.160	1.016	12.4
Benzo(a,h)Anthracadene	1.140	1.108	2.8
Benzo(g,h,i)Perylene	1.129	0.993	12.0
Nitrobenzene-d5	0.402	0.392	2.5
(2-Fluorobiphenyl	1.525	1.238	12.3
Terphenyl-d14	0.855	0.883	-2.9
Phenol-d5	1.625	1.430	12.5
(2-Fluorophenol	1.274	1.200	5.8
(2,4,6-Tribromochenol	0.359	0.284	-7.0

(1) Cannot be separated from Diphenylamine

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SEMOVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CEIMIC CORP Contract: 68D80029
 Lab Code: CEIMIC Case No.: 1E808 SDS No.: CBE27
 Instrument ID: MS1 Calibration date: 04/02/91 Time: 1206
 Lab File ID: A7058 Init. Calib. Date(s): 03/22/91 03/22/91
 Min RRF50 for SPCG(#) = 0.050 Max XD for CCC(*) = 25.0%

COMPOUND	PPF	RRF50	XD
Phenol	*	1.548	1.729/-11.6 *
Bis(2-Chloroethyl)Ether		1.368	1.522/-11.0
2-Chlorophenol		1.327	1.368/-2.9
1,3-Dichlorobenzene		1.478	1.521/-2.9
1,4-Dichlorobenzene	*	1.486	1.520/-2.9 *
Benzyl Alcohol		0.814	0.1411 (81.7)
1,2-Dichlorobenzene		1.398	1.454/-4.2
2-Methylphenol		1.199	1.230/-8.0
Bis(2-Chloroisopropyl)Ether		2.223	2.253/-23.1
4-Methylphenol		1.185	1.223/-4.1
(N-Nitroso-Di-n-Propylamine	*	1.117	1.187/-6.2 #
Hexachlorethane		0.654	0.636/-3.2
Nitrobenzene		0.415	0.441/-6.3
Isochorone		0.612	0.622/-2.8
2-Nitrobenzol		0.212	0.222/-1.4 *
2,4-Dimethylbenzol		0.388	0.220/13.0
Benzoic Acid		0.231	0.149/ (22.6)
Bis(2-Chloroethoxy)Methane		0.491	0.542/-10.4
2,4-Dichlorobenzol	*	0.318	0.323/-1.3 *
1,2,4-Trichlorobenzene		0.289	0.240/ 8.3
Naphthalene		0.671	1.014/-4.4
4-Chloraniline		0.272	0.262/ 2.7
Hexachlorobutadiene	*	0.229	0.212/11.3 *
4-Chloro-3-Methylphenol	*	0.257	0.271/-3.2 *
2-Methylnaphthalene		0.638	0.257/ (50.0)
Hexachlorocyclopentadiene	#	0.277	0.169/ (55.0) #
2,4,6-Trichlorophenol	*	0.453	0.290/13.8 *
2,4,5-Trichlorophenol		0.514	0.472/ 8.0
2-Chloronaphthalene		1.307	1.199/ 8.3
2-Nitroaniline		0.548	0.511/ 6.9
Dimethyl Phthalate		1.667	1.452/12.7
Azenaphthylene		1.878	1.735/ 9.8
2,6-Dinitrotoluene		0.427	0.404/ 5.4
2-Nitroaniline		0.402	0.247/13.7
Azenaphthene	*	1.054	1.243/ 8.2 *
2,4-Dinitrophenol	#	0.240	0.147/ (38.9) #
4-Nitrophenol	#	0.290	0.187/ (22.1) #

CBE 34MS

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CEIMIC CGS Contract: 68D90029
 Lab Code: CEIMIC Case No.: 15328 SAS No.: SDG No.: CBE27
 Instrument ID: MSI Calibration date: 04/02/91 Time: 1206
 Lab File ID: A7252 Init. Calib. Date(s): 03/22/91 03/22/91
 Min RRF50 for SPC0741 = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D
<hr/>			
Dibenzofuran	1.7221	1.6541	7.2
2,4-Dinitrotoluene	0.5841	0.5241	10.3
Diethylphthalate	1.7741	1.7341	2.3
4-Chlorophenyl-phenylether	0.6201	0.6781	1.6
Fluorene	1.2971	1.2261	5.1
4-Nitroaniline	0.4101	0.3371	17.8
4,6-Dinitro-2-Methylphenol	0.1821	0.1501	17.6
N,N-Diisopropylbenzylamine (1)*	0.5171	0.5451	-5.4 *
4-Bromophenyl-phenylether	0.2481	0.2591	-4.0
Hexachlorobenzene	0.3221	0.2221	-1.8
Pentachlorobenzene	0.2121	0.1771	-15.5 *
Phanthrene	1.1201	1.1141	0.5
Anthracene	1.1081	1.0961	1.1
2-n-Butylphthalate	1.7721	1.8221	-2.7
Fluoranthene	1.2971	1.2221	-1.7 *
Pyrene	1.3681	1.2621	0.4
Butylbenzylphthalate	0.8161	0.8121	0.5
3,3'-Dichlorobenzidine	0.2841	0.3781	4.1
Benz(a)Anthracene	1.1941	1.2121	-2.0
Chrysene	1.2521	1.2271	2.0
Bis(2-Ethylhexyl)Phthalate	1.1871	1.2241	-8.2
Di-n-Octyl Phthalate	2.1121	2.4521	-16.1 *
Benz(b)Fluoranthene	1.3771	1.5701	-14.0
Benz(k)Fluoranthene	1.1641	1.1991	-3.0
Benz(a)Pyrene	1.1861	1.2261	-3.4 *
Indeno(1,2,3-cd)Pyrene	1.1601	1.1011	5.1
Dibenzo(a,h)Anthracene	1.1401	1.1671	-2.4
Benz(g,h,i)Perylene	1.1291	1.1201	0.8
<hr/>			
Nitrobenzene-d5	0.4021	0.4021	0.0
2-Fluorobiphenyl	1.5251	1.2721	16.6
Terphenyl-d14	0.2551	0.2641	3.3
Phenol-d5	1.6251	1.6621	-1.7
2-Fluorophenol	1.2741	1.2711	0.2
2,4,6-Tribromophenol	0.3581	0.3341	7.0

(1) Cannot be separated from Diphenylamine

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FORM VII SV-2

1/87 Rev

AR303817

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CEIMIC CORP Contract: 68D9002B
 Lab Code: CEIMIC Case No.: 15808 SAS No.: SDG No.: CBE27
 Instrument ID: MS1 Calibration date: 04/03/81 Time: 1051
 Lab File ID: A727E Init. Calib. Date(s): 03/22/81 03/22/81
 Min RRF50 for SPQC(*) = 0.050 Max %D for QDC(*) = 25.0%

COMPOUND	RRF	RRF50	%D
Phenol	* 1.548	1.722	-11.2 *
bis(2-Chloroethyl)Ether	1.368	1.508	-10.0
2-Chlorophenol	1.227	1.229	-0.1
1,3-Dichlorobenzene	1.478	1.522	-3.0
1,4-Dichlorobenzene	* 1.488	1.542	-3.8 *
Benzyl Alcohol	0.814	0.129	(84.3)
1,2-Dichlorobenzene	1.295	1.481	-9.7
2-Methylphenol	1.139	1.241	-9.0
bis(2-Chloroisopropyl)Ether	2.023	2.280	-23.1
4-Methylphenol	1.185	1.123	-6.3
HN-Nitroso-Di-n-Pracylamine	# 1.117	1.134	-1.5
Hexachloroethane	0.884	0.633	-2.9
Nitrobenzene	0.415	0.428	-3.4
Isophorone	0.812	0.804	1.0
2-Nitrobenzaldehyde	* 0.219	0.233	-7.4
2,4-Dimethylphenol	0.268	0.213	15.0
Benzoic Acid	0.221	0.137	(32.0)
bis(2-Chloroethoxy)Methane	0.491	0.547	-11.4
2,4-Dichlorophenol	* 0.319	0.229	-2.8 *
1,2,4-Trichlorobenzene	0.258	0.365	-1.7
Naphthalene	0.971	1.061	-9.3
4-Chloroaniline	0.372	0.357	4.0
Hexachlorobutadiene	* 0.129	0.123	2.9 *
4-Chloro-2-Methylphenol	* 0.357	0.374	-4.8 *
2-Methylnaphthalene	0.638	0.986	(36.6)
Hexachlorocyclopentadiene	# 0.377	0.144	(61.8)
2,4,6-Trichlorophenol	* 0.453	0.398	12.1 *
2,4,5-Trichlorophenol	0.514	0.491	4.5
2-Chloronaphthalene	1.307	1.187	9.3
2-Nitroaniline	0.548	0.486	11.3
Dimethyl Phthalate	1.667	1.531	8.2
Aceanaphthylene	1.878	1.805	8.7
2,6-Dinitrotoluene	0.427	0.402	5.9
3-Nitroaniline	0.402	0.326	18.9
Aceanaphthene	* 1.354	1.264	6.6 *
2,4-Dinitrophenol	# 0.240	0.109	(54.6) #
4-Nitrophenol	# 0.290	0.174	(40.0) #

SBLK 04

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CEIMIC CORP Contract: 62090028
 Lab Code: CEIMIC Case No.: 15838 SAS No.: SDG No.: CBE27
 Instrument ID: MSI Calibration date: 04/03/81 Time: 1051
 Lab File ID: A7175 Init. Calib. Date/Cal.: 02/22/81 03/22/81

Min RRF50 for SPQC(*) = 0.050 Max %D for QC(*) = 25.0%

COMPOUND	RRF	RRF50	%D
Dibenzofuran	1.783	1.7571	1.5
2,4-Dinitrotoluene	0.564	0.5481	6.0
Diethylphthalate	1.774	1.7051	3.9
4-Chlorophenyl-phenylether	0.830	0.7431	-7.7
Fluorene	1.357	1.4081	-0.8
4-Nitroaniline	0.410	0.3221	21.5
4,6-Dinitro-2-Methylphenol	0.192	0.1361	(25.3)
N,N-Nitrosodiphenylamine (1)	0.517	0.5451	-5.4 *
4-Bromophenyl-phenylether	0.249	0.2711	-9.8
Heptachlorobenzene	0.222	0.2451	-8.9
Heptachloroethanol	0.212	0.1871	21.2 *
Phenanthrene	1.120	1.1141	0.5
Anthracene	1.108	1.1151	-0.8
Di-n-Butylylthalate	1.773	1.7821	-1.1
Fluoranthene	1.257	1.2381	0.7 *
Pyrene	1.288	1.2251	0.2
Butylbenzylphthalate	0.916	0.7721	4.5
2,3'-Dichlorobenzidine	0.294	0.2541	10.2
Benz(a)Anthracene	1.194	1.1281	4.7
Chrysene	1.252	1.2231	1.5
Bis(2-Ethylhexyl)Phthalate	1.157	1.1481	0.8
Di-n-Octyl Phthalate	2.112	2.5761	-22.0 *
Benz(b)Fluoranthene	1.377	1.5021	-9.1
Benz(k)Fluoranthene	1.164	1.4281	-22.8
Benz(a)Pyrene	1.196	1.2141	-2.4 *
Indeno(1,2,3-cd)Pyrene	1.160	0.8101	(20.3)
Dibenzo(a,h)Anthracene	1.140	0.9331	21.7
Benzog(h,i)Perylene	1.129	0.7701	(21.6)
Nitrobenzene-d5	0.402	0.4081	-1.5
2-Fluorobiphenyl	1.525	1.2351	15.1
Terphenyl-d14	0.955	0.8881	6.9
Phenol-d5	1.635	1.6491	-0.9
2-Fluorophenol	1.274	1.2001	5.8
2,4,6-Tribromophenol	0.359	0.3721	-3.6

(1) Cannot be separated from Diphenylamine

22
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP Contract: 69D30028

Lab Code: CEIMIC Case No.: 15938 SAS No.: SDG No.: C8627

Matrix Spike - EPA Sample No.: C8624 Level: (low/med) LOW

COMPOUND	SPIKE	SAMPLE	MS	MS	QC	LIMITS
	ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	CONCENTRATION (ug/Kg)	% REC #1 REC #	RFD #1 RFD #	
Phenol	8050	0	6570	82	126- 90	
2-Chlorophenol	8050	0	6930	86	125-102	
1,4-Dichlorobenzene	4020	265	4230	96	128-104	
N-Nitroso-di-n-prop. (1)	4020	0	3280	84	141-126	
1,2,4-Trichlorobenzene	4020	0	3910	97	122-107	
4-Chloro-3-methylphenol	8050	0	7050	89	126-102	
Azenaphthene	4020	0	3810	97	121-127	
4-Nitrophenol	8050	0	7260	91	111-114	
2,4-Dinitrotoluene	4020	0	3020	75	129- 88	
Pentachlorophenol	8050	0	0	0	*117-108	
Pyrene	4020	0	3320	83	125-142	

COMPOUND	SPIKE	MSD	MSD	%	%	QC LIMITS
	ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	CONCENTRATION (ug/Kg)	REC #1	RFD #1	RFD #2
Phenol	8100	6590	81	1	1	35 126- 90
2-Chlorophenol	8100	6900	84	2	2	50 125-102
1,4-Dichlorobenzene	4050	3780	84	12	12	27 128-104
N-Nitroso-di-n-prop. (1)	4050	3740	92	18	18	38 141-126
1,2,4-Trichlorobenzene	4050	3770	93	4	4	23 122-107
4-Chloro-3-methylphenol	8100	7020	87	1	1	33 126-102
Azenaphthene	4050	3600	93	9	9	19 121-137
4-Nitrophenol	8100	9230	114	-22	50	111-114
2,4-Dinitrotoluene	4050	3550	98	-16	47	129- 88
Pentachlorophenol	8100	0	0	*	0	47 117-108
Pyrene	4050	3410	84	-1	36	125-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RFD values with an asterisk
* Values outside of QC limitsRFD: 0 out of 11 outside limits
Spike Recovery: 2 out of 22 outside limits

COMMENTS:

F. 1325

FORM III SV-2

1/87 Rev.

AR303820

3C
WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68D90028
 Lab Code: CEIMIC Case No.: 15828 SAS No.: SDG No.: C8E29
 Matrix Spike - EPA Sample No.: C8E29

COMPOUND	SPIKE	SAMPLE	MS	MS	QC
	(ug/L)	(ug/L)	(ug/L)	REC #	LIMITS REC.
Phenol	200	0	51.2	26	112- 86
2-Chlorophenol	200	0	109	64	127-123
1,4-Dichlorobenzene	100	0	71.6	72	136- 97
N-Nitroso-di-n-prop. (1)	100	0	80.5	80	141-116
1,2,4-Trichlorobenzene	100	0	74.2	74	128- 96
4-Chloro-2-methylphenol	200	0	109	54	123- 97
Aceanaphthene	100	0	70.5	70	146-112
4-Nitrophenol	200	0	91.4	46	110- 80
2,4-Dinitrotoluene	100	0	70.7	71	124- 96
Pentachlorophenol	200	0	210	105 *	9-102
Pyrene	100	0	64.6	68	126-127

COMPOUND	SPIKE	MSD	MSD	%	%	QC LIMITS
	(ug/L)	(ug/L)	REC #	RFD #	RFD	RSC
Phenol	200	48.2	25	4	42	112- 86
2-Chlorophenol	200	118	99	10	46	127-123
1,4-Dichlorobenzene	100	59.4	59	20	28	136- 97
N-Nitroso-di-n-prop. (1)	100	62.8	63	24	38	141-116
1,2,4-Trichlorobenzene	100	62.5	62	19	28	128- 96
4-Chloro-2-methylphenol	200	94.9	47	14	42	123- 97
Aceanaphthene	100	50.2	51	31	31	146-112
4-Nitrophenol	200	78.8	39	16	50	110- 80
2,4-Dinitrotoluene	100	60.2	60	17	38	124- 96
Pentachlorophenol	200	199	100	5	50	9-102
Pyrene	100	62.3	62	5	31	126-127

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RFD values with an asterisk
 * Values outside of QC limits

RFD: 0 out of 11 outside limits
 Spike Recovery: 1 out of 22 outside limits

COMMENTS:

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FORM III SV-1

1/87 Rev.

AR303821

IA
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: <u>CEMICO CORP</u>	Contract: <u>62D60029</u>	<u>CBE29MS</u>
Lab Order: <u>CEMICO</u>	Case No.: <u>15303</u>	SOG No.: <u>08627</u>
Matrix: (solid/water) <u>WATER</u>	Lab Sample ID: <u>910066-CBE29MS</u>	
Sample wt/vol: <u>5.0</u> (g/mL) <u>ML</u>	Lab File ID: <u>E2949</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>02/06/91</u>	
% Moisture: not det.	Date Analyzed: <u>02/13/91</u>	
Column: (pack/cap) <u>PACK</u>	Dilution Factor: <u>2.5</u>	

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
74-87-3	Chloromethane	25	10
74-82-9	Bromomethane	25	10
75-01-4	Vinyl Chloride	25	10
75-00-2	Chloroethane	25	10
75-09-2	Methylene Chloride	25	10
67-64-1	Acetone	25	10
75-15-0	Carbon Disulfide	25	10
75-25-4	1,1-Dichloroethene	12	10
75-24-2	1,1-Dichloroethane	12	10
540-89-0	1,2-Dichloroethene (total)	12	10
67-66-2	Chloroform	12	10
107-06-2	1,2-Dichloroethane	12	10
75-23-3	1-Butanone	25	10
71-55-2	1,1,1-Trichloroethane	12	10
56-13-2	Carbon Tetrachloride	12	10
102-05-4	Vinyl Acetate	25	10
75-27-4	Bromodichloromethane	12	10
79-87-5	1,2-Dichloropropene	12	10
10061-01-5	1,3-Dichloropropene	12	10
79-01-6	Trichloroethene	12	10
124-48-1	Dibromo-chloromethane	12	10
79-00-8	1,1,2-Trichloroethane	12	10
71-42-2	Benzene	12	10
10061-02-6	Trans-1,3-Dichloropropene	12	10
75-25-2	Bromoform	12	10
108-10-1	4-Methyl-2-Pentanone	25	10
591-78-6	2-Hexanone	25	10
127-18-4	Tetrachloroethene	12	10
79-34-5	1,1,2,2-Tetrachloroethane	12	10
108-88-3	Toluene	12	10
108-90-7	Chlorobenzene	12	10
100-41-4	Ethylbenzene	260	10
100-42-5	Styrene	12	10
1230-20-7	Total Xylenes	530	10

IA
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBE28MSD

Lab Name: CEIMIC CORP Contract: E20000028
 Lab Code: CEIMIC Case No.: 15002 GAS No.: SDG No.: CSE17
 Matrix (soil/water) WATER Lab Sample ID: S10066-12MSD
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: E2050
 Level: (low/med) LOW Date Received: 02/06/91
 % Moisture: Not det. Date Analyzed: 02/12/91
 Column: (pack/cap) PACK Dilution Factor: 2.5

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
74-87-9	Chloromethane	25	10
74-82-9	Bromomethane	25	10
75-01-4	Vinyl Chloride	25	10
75-00-3	Chloroethane	25	10
75-06-2	Methylene Chloride	12	10
67-64-1	Acetone	25	10
75-15-0	Carbon Disulfide	12	10
75-05-4	1,1-Dichloroethene	12	10
75-24-2	1,1-Dichloroethane	12	10
540-59-0	1,2-Dichloroethene (total)	12	10
67-56-3	Chloroform	12	10
107-06-2	1,1-Dichloroethane	12	10
78-93-0	1-Butanone	25	10
71-55-2	1,1,1-Trichloroethane	12	10
56-23-5	Carbon Tetrachloride	12	10
108-08-4	Vinyl Acetate	12	10
75-27-4	Bromodichloromethane	12	10
78-57-5	1,2-Dichloropropane	12	10
10061-01-5	cis-1,3-Dichloropropene	12	10
78-01-6	Trichloroethene	12	10
124-48-1	Dibromoethylmethane	12	10
78-00-5	1,1,2-Trichloroethane	12	10
71-43-2	Benzene	12	10
10061-02-6	Trans-1,3-Dichloropropene	12	10
78-25-2	Bromoform	12	10
108-10-1	4-Methyl-2-Fentanyl	25	10
591-78-6	2-Hexanone	25	10
127-18-4	Tetrachloroethene	12	10
79-34-5	1,1,2,2-Tetrachloroethane	12	10
108-88-3	Toluene	12	10
108-90-7	Chlorobenzene	12	10
100-41-4	Ethylbenzene	280	10
100-42-5	Styrene	12	10
1330-20-7	Total Xylenes	620	10

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SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

400-0-102-1

CBE29MS

Lab Name: CEIMIC CORP Contract: 68D200028

Lab Code: CBE29 Case No.: 15829 SAS No.: SDG No.: CBE27

Matrix: (soil/water) WATER Lab Sample ID: 810066-02M

Sample wt/vol: 1000 (g/ml.) M Lab File ID: D4855

Level: (low/med) LOW Date Received: 02/06/91

% Moisture: not dec. desc. Date Extracted: 02/11/91

Extraction: (Soxh/Cont/Sonic) SOXH Date Analyzed: 02/21/91

GPC Cleanup: (Y/N) N pH: 7.5 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
106-46-2	Phenol	10	1U
111-44-4	bis(2-Chloroethyl) Ether	10	1U
98-67-8	1-Chlorobenzene	10	1U
541-72-1	1,2-Dichlorobenzene	10	1U
106-46-2	1,4-Dichlorobenzene	10	1U
100-51-8	Benzyl Alcohol	10	1U
98-50-1	1,2-Dichlorobenzene	10	1U
98-49-7	2-Methoxybenzene	10	1U
108-80-1	bis(2-Chloroisopropyl) Ether	10	1U
106-44-8	4-Methylbenzene	10	1U
621-64-7	N-Nitroso-Di-n-Propylamine	10	1U
67-72-1	Hexachlorobutane	10	1U
99-95-2	Nitrobenzene	10	1U
78-59-1	Isochorone	10	1U
88-75-5	2-Nitrobenzene	2	1J
108-67-8	2,4-Dimethoxybenzene	10	1U
65-95-0	Benzoic Acid	50	1U
111-91-1	bis(2-Chloroethoxy) Methane	10	1U
120-83-2	2,4-Dichlorophenol	10	1U
120-92-1	1,2,4-Trichlorobenzene	10	1U
91-20-2	Naphthalene	49	1
106-47-8	4-Chloraniline	10	1U
87-68-3	Hexachlorobutadiene	10	1U
59-50-7	4-Chloro-2-Methylphenol	10	1U
91-57-6	2-Methylnaphthalene	3	1J
77-47-4	Hexachlorocyclopentadiene	10	1U
88-06-2	2,4,6-Trichlorophenol	10	1U
95-25-4	2,4,5-Trichlorophenol	50	1U
91-58-7	2-Chloronaphthalene	10	1U
88-74-4	2-Nitroaniline	50	1U
131-11-2	Dimethyl Phthalate	10	1U
208-96-8	Arenaphthylene	10	1U
606-20-2	2,6-Dinitrotoluene	10	1U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: CEIMIC CORP Contract: 68030028 CSE29MS
 Lab Code: CEIMIC Case No.: 15828 SAS No.: SDG No.: CSE27
 Matrix: Soil/water WATER Lab Sample ID: 910066-02MS
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: D4858
 Level: Low/med LOW Date Received: 02/06/91
 % Moisture: not dec. dec. Date Extracted: 02/11/91
 Extraction: (Sav/F/Cont/Sonic) SAVF Date Analyzed: 02/21/91
 GPC Cleanup: (Y/N) N pH: 7.5 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Mg) ug/L	Q
99-49-2	2-Nitroaniline	50	10
82-32-9	Anisaphthene	10	10
51-28-5	2,4-Dinitrophenol	50	10
100-02-7	3-Nitrophenol	50	10
132-64-9	Dibenzofuran	10	10
121-14-2	2,4-Dinitrotoluene	10	10
94-62-2	Diethylphthalate	10	10
7005-71-2	4-Chlorophenyl-phenylether	10	10
96-73-7	Fluorane	10	10
100-01-8	4-Nitroaniline	50	10
524-52-1	4,5-Dinitro-2-Methylphenol	50	10
86-20-6	N-Vinyl-2-diphenylamine (1)	10	10
101-55-2	4-Bromophenyl-phenylether	10	10
118-74-1	Hexachlorobenzene	10	10
87-99-5	Pentachlorobenzene	50	10
95-01-8	Phanthrene	10	10
120-12-7	Anthracene	10	10
84-74-0	Di-n-Butylphthalate	10	10
206-44-0	Fluoranthene	10	10
129-00-0	Pyrene	10	10
95-69-7	Butylbenzylphthalate	10	10
91-94-1	2,2'-Dichlorobenzidine	20	10
58-55-3	Benz(a)Anthracene	10	10
218-01-8	Chrysene	10	10
117-81-7	bis(2-Ethylhexyl)Phthalate	10	10
117-84-0	Di-n-Octyl Phthalate	10	10
205-99-2	Benz(b)Fluoranthene	10	10
207-08-9	Benz(k)Fluoranthene	10	10
50-32-8	Benz(a)Pyrene	10	10
193-09-5	Indeno(1,2,3-cd)Pyrene	10	10
53-70-3	Dibenz(a,h)Anthracene	10	10
191-24-2	Benz(g,h,i)Perylene	10	10

(1) - Cannot be separated from Diphenylamine

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SEMICVOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CEIMIC CORP Contract: 68D900028 EPA SAMPLE NO. CBE28MSD

Lab Code: CBE28 Case No.: 15828 SAS No.: SDG No.: CBE27

Matrix: (soil/water) WATER Lab Sample ID: 910066-02M

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D4856

Level: (low/med) LOW Date Received: 02/06/91

% Moisture: not dec. dec. Date Extracted: 02/11/91

Extraction: (Soxh/Cont/Sonic) SONIC Date Analyzed: 02/21/91

GPC Cleanup: (Y/N) N pH: 7.5 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
108-95-3	Phenol	10	10
111-44-4	bis(2-Chloroethyl) Ether	10	10
95-57-2	2-Chlorophenol	10	10
541-72-1	1,2-Dichlorobenzene	10	10
106-48-7	1,4-Dichlorobenzene	10	10
100-51-8	Benzyl Alcohol	10	10
85-50-1	1,2-Dichlorobenzene	10	10
85-48-7	2-Methylphenol	10	10
108-60-1	bis(2-Chloroisopropyl) Ether	10	10
106-44-5	4-Methylphenol	10	10
621-84-7	N-Nitroso-Di-n-Propylamine	10	10
67-72-1	Hexachloroethane	10	10
99-85-3	Nitrobenzene	10	10
78-59-1	Isocohorone	10	10
99-75-5	2-Nitrophenol	2	10
108-57-3	2,4-Dimethylphenol	10	10
65-85-0	Benzoic Acid	50	10
111-91-1	bis(2-Chloroethoxy)Methane	10	10
120-82-2	2,4-Dichlorophenol	10	10
120-82-1	1,2,4-Trichlorobenzene	10	10
91-20-3	Naphthalene	25	10
106-47-9	4-Chloroaniline	10	10
87-63-2	Hexachlorobutadiene	10	10
59-50-7	4-Chloro-3-Methylphenol	10	10
91-57-6	2-Methylnaphthalene	2	10
77-47-4	Hexachlorocyclopentadiene	10	10
88-06-2	2,4,6-Trichlorophenol	10	10
95-95-4	2,4,5-Trichlorophenol	50	10
91-58-7	2-Chloronaphthalene	10	10
89-74-4	2-Nitroaniline	50	10
131-11-2	Dimethyl Phthalate	10	10
208-96-8	Azenaphthyliene	10	10
606-20-2	2,6-Dinitrotoluene	10	10

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

LE NO.

Lab Name: CIMIC CORP Contract: 68030028 CR628MSD
 Lab Code: CIMIC Case No.: 15209 SAS No.: _____ SDG No.: CR627
 Matrix: Oil/water Water Lab Sample ID: 210068-02MSD
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: D4856
 Level: (low/med) LOW Date Received: 02/06/81
 % Moisture: not det. _____ det. _____ Date Extracted: 02/11/81
 Extraction: (Sep/F/Dont/Send) SERF Date Analyzed: 02/21/81
 HPLC Cleanup: (Y/N) N pH: 7.5 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
99-93-2	o-Nitroaniline	50	ug
92-29-3	Aacenaphthene	10	ug
51-28-5	2,4-Dinitrophenol	50	ug
100-02-7	4-Nitrophenol	50	ug
120-64-6	Dibenzofuran	10	ug
121-14-2	2,4-Dinitrobenzene	10	ug
94-62-2	Diethylphthalate	10	ug
70005-75-3	4-Chlorophenyl-phenylether	10	ug
98-79-7	Fluorene	10	ug
100-01-8	4-Nitroaniline	50	ug
524-52-1	4,6-Dinitro-2-Methoxyphenol	50	ug
96-00-6	N-Nitrosodiphenylamine (1)	10	ug
101-55-2	4-Promocrotonyl-phenylether	10	ug
119-74-1	Hexachlorobenzene	10	ug
27-86-5	Pentachlorobiphenol	50	ug
85-01-9	Phenanthrene	10	ug
120-12-7	Anthracene	10	ug
84-74-2	Di-n-Butylphthalate	10	ug
206-44-0	Fluoranthene	10	ug
126-00-0	Pyrene	10	ug
85-68-7	Butylbenzylphthalate	10	ug
81-64-1	2,3'-Dichlorobenzidine	20	ug
56-95-2	Benz(a)Anthracene	10	ug
218-01-2	Chrysene	10	ug
117-81-7	bis(2-Ethylhexyl)Phthalate	10	ug
117-84-0	Di-n-Octyl Phthalate	10	ug
205-98-2	Benzo(b)Fluoranthene	10	ug
207-08-9	Benzo(k)Fluoranthene	10	ug
50-32-8	Benz(a)Pyrene	10	ug
122-36-6	Indeno(1,2,3-cd)Pyrene	10	ug
53-70-3	Dibenzo(a,h)Anthracene	10	ug
191-24-2	Benzof(g,h,i)Perylene	10	ug

(1) - Cannot be separated from Diphenylamine

1695

AR303827

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REPORT OF SAMPLE ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CEMICO CORP Contract: 6AD90029 EPA SAMPLE NO.: CBE29MS

Lab Order: 15326 Case No.: 15326 SAG No.: SDG No.: CBE27

Matrix (solid/water) WATER Lab Sample ID: 910068-02Me

Sample wt/vol: 1000 (g/mL) ML Lab File ID:

Level: Low (med) LCL Date Received: 02/06/91

% Moisture: not dec. dec. Date Extracted: 02/11/91

Extraction: (BacF/Cont/Bond) 6625 Date Analyzed: 02/20/91

EPC Cleanup: Y/N N pH: 7.5 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>ug/L</u>	Q
218-54-6	alpha-BHC	0.0501U	
218-55-7	beta-BHC	0.0501U	
218-56-8	gamma-BHC	0.0501U	
51-92-1	gamma-BHCl Lindane	0.0501U	
71-44-5	Heptachlor	0.0501U	
218-51-2	Heptachlor	0.0501U	
1024-57-2	Heptachlor epoxide	0.0501U	
262-12-2	Endosulfan I	0.0501U	
20-57-1	Endosulfan	0.101U	
71-22-0	4,4'-DDT	0.101U	
71-24-2	Endrin	0.101U	
26212-62-9	Endosulfan II	0.101U	
71-24-2	4,4'-DDD	0.101U	
1021-07-8	Endosulfan sulfate	0.101U	
51-19-2	4,4'-DDE	0.101U	
71-42-2	Methoxychlor	0.501U	
50484-70-5	Endrin ketone	0.101U	
5100-71-8	alpha-Chlordane	0.501U	
5100-74-2	gamma-Chlordane	0.501U	
6001-25-2	Toxaphene	1.01U	
12674-11-3	Aroclor-1016	0.501U	
11104-12-1	Aroclor-1121	0.501U	
11141-12-5	Aroclor-1122	0.501U	
50484-71-9	Aroclor-1242	0.501U	
12674-26-8	Aroclor-1248	0.501U	
11087-88-1	Aroclor-1254	1.01U	
11088-81-5	Aroclor-1260	1.01U	

PESTICIDE ORGANIC ANALYSIS DATA SHEET

EPA CASE NO.

CSE28MSD

Lab Name: CESIMIC CORP. Contract: 6ED90029

Lab Code: CESIMIC Case No.: 15326 SAS No.: SOD No.: CSE27

Matrix: soil/water Water Lab Sample ID: 610068-02MSD

Sample wt/vol: 1000 (g/mL) mL Lab File ID:

Level: low/med Low Date Received: 02/06/81

% Moisture: not dec. dec. Date Extracted: 02/11/81

Extraction: (Bad/F/Cont/Succ) Succ Date Analyzed: 02/20/81

GPC Cleanup: (Y/N) N pH: 7.5 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
218-24-2-----alpha-BHC		0.050IU	
218-25-7-----beta-BHC		0.050IU	
218-26-8-----delta-BHC		0.150IU	
62-28-3-----gamma-BH Chlordane		0.150IU	
51-44-6-----heptachlor		0.050IU	
51-45-7-----heptachlor epoxide		0.150IU	
623-20-8-----Endosulfan I		0.050IU	
61-57-1-----Dieldrin		0.10IU	
71-22-0-----4,4'-DDT		0.10IU	
71-23-2-----Endosulfan		0.10IU	
22212-12-0-----Endosulfan II		0.10IU	
71-24-2-----4,4'-DD		0.10IU	
1103-07-8-----Endosulfan sulfate		0.10IU	
50-28-2-----4,4'-DDT		0.10IU	
71-42-8-----Methoxychlor		0.50IU	
52424-70-5-----Endrin ketone		0.10IU	
5103-71-8-----alpha-Chlordane		0.50IU	
5103-74-2-----gamma-Chlordane		0.50IU	
8001-35-2-----Toxaphene		1.0IU	
12674-11-2-----Aroclor-1016		0.50IU	
11104-12-1-----Aroclor-1121		0.50IU	
11141-12-5-----Aroclor-1221		0.50IU	
52428-11-3-----Aroclor-1242		0.50IU	
12672-26-8-----Aroclor-1248		0.50IU	
11097-22-1-----Aroclor-1254		1.0IU	
11096-21-5-----Aroclor-1260		1.0IU	

IA
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: <u>CEIMIC CORP</u>	Contract #: <u>62080029</u>	EPA SAMPLE NO. <u>CBE34MS</u>
Lab Code: <u>CEIMIC</u>	Case No.: <u>15836</u>	SDG No.: <u>05627</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>910066-02MS</u>	
Sample wt/vol: <u>5.0</u> (g/mL) <u>6</u>	Lab File ID: <u>08362</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>02/06/91</u>	
% Moisture: not dec. <u>21</u>	Date Analyzed: <u>02/13/91</u>	
Column: (pack/cap) <u>CAP</u>	Dilution Factor: <u>1.0</u>	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg		Q
74-87-3	Chloromethane	13	10	
74-83-9	Bromomethane	13	10	
75-01-4	Vinyl Chloride	13	10	
75-00-0	Chloroethane	13	10	
75-06-2	Methylene Chloride	13	10	
67-64-1	Acetone	25	10	
75-15-0	Carbon Disulfide	10		
75-35-4	1,1-Dichloroethane	10		
75-24-2	1,1-Dichloroethane	10		
540-69-0	1,2-Dichloroethene (total)	10		
67-62-2	Chloroform	10		
107-06-1	1,2-Dichloroethane	10		
75-83-2	1-Butanone	10	10	
71-55-2	1,1,1-Trichloroethane	10	10	
56-12-8	Carbon Tetrachloride	10	10	
108-05-2	Vinyl Acetate	10	10	
75-27-4	Bromodichloromethane	10	10	
75-87-5	1,2-Dichloropropane	10	10	
10061-01-5	cis-1,3-Dichloropropene	10	10	
79-01-6	Trichloroethene	6	10	
124-48-1	Dibromochloromethane	6	10	
79-00-5	1,1,2-Trichloroethane	6	10	
71-43-2	Benzene	6	10	
10061-02-6	Trans-1,3-Dichloropropene	6	10	
75-25-2	Bromoform	6	10	
108-10-1	4-Methyl-2-Pentanone	13	10	
591-78-6	2-Hexanone	13	10	
127-18-4	Tetrachloroethene	2	10	
79-34-5	1,1,2,2-Tetrachloroethane	6	10	
108-88-3	Toluene	6	10	
108-90-7	Chlorobenzene	6	10	
100-41-4	Ethylbenzene	6	10	
100-42-5	Styrene	6	10	
1230-20-7	Total Xylenes	6	10	

Lab Name: CEIMIC CORP Contract #: 68D90029
 Lab Code: CEIMIC Case No.: 15928 SAS No.: SDG No.: CBE27
 Instrument ID: M64 Calibration date: 02/19/81 Time: 1429
 Lab File ID: 04212 Init. Calib. Date(s): 12/27/80 12/27/80
 Min RPPF0 for CCC(#) = 0.050 Max %D for CCC(+) = 25.0%

COMPOUND	RPP	RPPF0	%D
Phenol	1.512	1.572	-11.0 *
Bis(2-Chloroethyl)Ether	1.323	1.504	-12.9
2-Chlorophenol	1.298	1.425	-9.8
1,2-Dichlorobenzene	1.520	1.524	-0.9
1,4-Dichlorobenzene	1.470	1.532	-4.3 *
Benzyl Alcohol	0.704	0.841	-18.5
1,2-Dichloroethane	1.408	1.414	-0.4
1,2-Methylenecyclohexane	1.102	1.229	-11.5
Bis(2-Chloroisopropyl)Ether	1.740	2.420	(28)
4-Methylbenzal	1.138	1.271	-11.7
N,N-Nitroso-2-methylbutylamine	1.026	1.148	-11.6 #
Heptachloroethane	0.624	0.849	-2.8
1-Nitrobenzene	0.378	0.410	-8.2
1-Nitroaniline	0.752	0.862	-14.4
2-Nitrobenzal	0.217	0.255	-17.5 *
2,4-Dimethylphenol	0.350	0.377	-7.0
Benzoic Acid	0.178	0.229	(27)
Bis(2-Chloroethoxy)Methane	0.492	0.544	-10.6
2,4-Dichlorophenol	0.311	0.238	-8.0 *
1,2,4-Trichlorobutane	0.364	0.283	-8.2
Neonaphthalene	0.948	1.065	-12.6
4-Chloronaphthalene	0.402	0.426	-5.7
Hexachlorocyclopentadiene	0.223	0.213	4.5 *
4-Chloro-2-Methylphenol	0.257	0.298	-11.5 *
2-Methylneonaphthalene	0.685	0.726	-10.7
Heptachlorocyclopentadiene	0.229	0.232	2.9 #
2,4,6-Trichlorophenol	0.420	0.421	-0.2 *
2,4,5-Trichlorophenol	0.468	0.476	-1.7
2-Chloronaphthalene	1.182	1.213	-1.8
2-Nitroaniline	0.470	0.486	-3.4
Dimethyl Phthalate	1.445	1.574	-8.9
Acanaphthylene	1.763	1.911	-8.3
2,6-Dinitrotoluene	0.406	0.421	-3.7
2-Nitroaniline	0.283	0.292	0.0
Acanaphthene	1.185	1.312	-10.7 *
2,4-Dinitrophenol	0.185	0.196	-5.9 #
4-Nitrophenol	0.154	0.190	-23.4 #

SBLK01

Lab Name: CEIMIC DOBS Contract #: 6AD80029

Lab Code: CEIMIC Case No.: 15838 SAS No.: SDG No.: CBE27

Instrument ID: M54 Calibration date: 02/19/91 Time: 1428

Lab File ID: D4613 Init. Calib. Date(s): 12/27/90 12/27/90

Min RRF50 for SPQC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D
Dibenzo furan	1.741	1.937	-5.5
2,4-Dinitrotoluene	0.588	0.585	-3.0
Diethyl phthalate	1.581	1.913	-15.0
(4-Chlorophenyl-phenylether)	0.675	0.703	-4.1
Fluorane	1.441	1.490	-3.4
4-Nitroaniline	0.386	0.392	-1.6
4,6-Dinitro-2-Methylphenol	0.157	0.165	-5.1
N-Nitrosodiphenylamine (1)*	0.477	0.570	-19.5 *
4-Bromophenyl-phenylether	0.231	0.222	3.9
Heptachlorobenzene	0.279	0.263	5.3
Heptachloroethanol	0.142	0.172	-21.8 *
Phenanthrene	1.052	1.182	-10.8
Anthracene	1.044	1.159	-10.3
2,6-Di-Butylbenzalate	1.662	1.925	-15.2
Fluoranthene	1.220	1.348	-13.1 *
Pyrene	1.460	1.548	-5.8
Bubylbenzylbenzalate	0.863	0.965	-11.2
2,2'-Bis(4-chlorobenzidine)	0.282	0.402	-2.8
Benzo(a)Anthracene	1.326	1.382	-4.3
Chrysene	1.278	1.264	6.9
Bis(2-Ethylhexyl) Phthalate	1.133	1.432	-20.4
Di-n-Octyl Phthalate	* 2.225	2.482	-12.0 *
Benzo(b)Fluoranthene	1.509	1.473	2.4
Benzo(k)Fluoranthene	1.142	1.137	0.4
Benzo(a)Pyrene	* 1.183	1.234	-3.4 *
Indeno(1,2,3-cd)Pyrene	0.971	1.148	-18.2
Dibenz(a,h)Anthracene	0.912	1.148	(25.2)
Benzo(g,h,i)Perylene	0.884	1.098	-24.2
Nitrobenzene-d5	0.372	0.406	-9.1
2-Fluorobiphenyl	1.365	1.270	7.0
Terphenyl-d14	0.848	0.923	2.4
Phenol-d5	1.586	1.606	-0.6
2-Fluorophenol	1.047	1.207	-15.3
2,4,6-Tribromophenol	0.247	0.223	9.7

(1) Cannot be separated from Diphenylamine

* VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CETIMIC CORP. Contract #: SDG30028
 Lab Code: CETIMIC Case No.: 15838 SAS No.: _____ SDG No.: CBE27
 Instrument ID: M64 Calibration date: 02/01/81 Time: 1337
 Lab File ID: 04852 Init. Calib. Date(s): 12/27/80 12/27/80
 Min RRF50 for GPC001# = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D
Phenol	* 1.5121	1.7251	-14.8 *
bis(2-Chloroethyl)Ether	1.2331	1.5341	-19.1
2-Chlorobenzenol	1.2981	1.4241	-9.7
1,2-Dichlorobenzene	1.5201	1.5861	-4.3
1,4-Dichlorobenzene	* 1.4701	1.5141	-3.0
Benzyl Alcohol	0.7041	0.8291	-19.2
1,2-Dichlorobenzene	1.4081	1.4171	-0.6
2-Methylenol	1.1021	1.2151	-10.2
bis(2-Chloroisopropyl)Ether	1.7401	2.5961	(49.0)
4-Methylenol	1.1381	1.2261	-7.7
4-Nitroso-2-methylpyrrolidine	# 1.0281	1.0281	-1.2 #
Hexachlorocyclohexane	0.8241	0.8071	2.7
Nitrobenzene	0.2791	0.3641	-1.3
Isopropanol	0.7581	0.7681	-0.6
2-Nitrobenzene	* 0.2171	0.2541	-17.0 *
2,4-Dimethylphenol	0.2501	0.2561	-1.7
Benzoic Acid	0.1791	0.2121	-18.4
bis(2-Chloroethoxy)Methane	0.4921	0.5061	-2.8
2,4-Dichlorophenol	* 0.2111	0.2281	-5.5 *
1,2,4-Trichlorobenzene	0.3841	0.3591	1.4
Naphthalene	0.5481	0.5861	-74.2
4-Chloraniline	0.4031	0.3841	4.7
Hexachlorocyclopentadiene	* 0.2221	0.2121	3.1 *
4-Chloro-2-Methylenol	* 0.2571	0.2951	-7.8 *
2-Methylnaphthalene	0.6851	0.6911	-0.9
Hexachlorocyclopentadiene	# 0.2281	0.1581	(34.7) #
2,4,6-Trichlorophenol	* 0.4201	0.4211	-0.2
2,4,5-Trichlorophenol	0.4631	0.4831	-3.2
2-Chloronaphthalene	1.1821	1.1881	0.6
2-Nitroaniline	0.4701	0.4881	-3.8
Dimethyl Phthalate	1.4481	1.5411	-6.6
Aceanaphthylene	1.7281	1.7901	-4.4
2,6-Dinitrotoluene	0.4061	0.4391	-8.1
3-Nitroaniline	0.3831	0.3771	1.6
Aceanaphthene	* 1.1851	1.2261	-3.5 *
2,4-Dinitrophenol	# 0.1851	0.1491	18.5 #
4-Nitrophenol	# 0.1541	0.1721	-11.7 #

CBE 28

CBE 28 MS

CBE 28 HF

SEPARATION OF POLYAROMATIC COMPOUNDS

Lab Name: CESIMIC CORP Contract: 6BD80008
 Lab Code: CESIMIC Case No.: 15208 SAS No.: _____ SDS No.: CBE27
 Instrument ID: MS4 Calibration date: 02/21/91 Time: 1337
 Lab File ID: 04852 Init. Calib. Date(s): 12/27/90 12/27/90

Min RRF50 for SFCC(*) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D
<hr/>			
Dibenzofuran	1.741	1.748	-0.4
1,2,4-Dinitroflurene	0.568	0.530	-3.9
Diacetylthalate	1.581	1.718	-3.7
1,4-Chlorononylphenylether	0.675	0.707	-4.7
Fluorane	1.441	1.453	-0.8
1,4-Nitroaniline	0.386	0.401	-3.9
1,4,6-Dinitro-2-Methylenol	0.157	0.145	7.6
(N-Nitroso)diphenylamine (I)	0.477	0.518	-8.5 *
1,4-Bis(methoxyphenyl)phenylether	0.121	0.122	3.8
Hexamethylbenzene	0.279	0.242	12.9
Phenachlorozenane	0.142	0.158	-2.9 *
Phenanthrene	1.052	1.068	-1.3
Anthracene	1.044	1.050	-0.6
1,1-bis-Bisphenolalate	1.562	1.527	-3.5
Fluoranthene	1.220	1.228	-0.6 *
Pyrene	1.480	1.558	-9.5
Bis(2-Ethylene)Phthalate	0.268	0.222	-19.0
1,3,7-Dichloroazidine	0.392	0.392	0.0
Benzo(a)Anthracene	1.328	1.481	-10.2
Chrysene	1.278	1.444	-13.2
Bis(2-Ethylene)Phthalate	1.193	1.527	(9.0)
1,1-bis-Octyl Phthalate	2.025	2.532	-19.3 *
Benzo(b)Fluoranthene	1.509	1.458	3.5
Benzo(k)Fluoranthene	1.142	1.248	-9.3
Benzo(a)Pyrene	1.193	1.282	-1.9 *
Indeno(1,2,3- <i>cd</i>)Pyrene	0.971	1.165	-20.0
Dibenzo(a,h)Anthracene	0.912	1.147	(5.9)
Benzo(g,h,i)Perylene	0.984	1.101	-24.6
<hr/>			
Nitrobenzene-d5	0.372	0.279	-1.9
1,2-Fluorobiphenyl	1.365	1.318	3.4
Terphenyl-d14	0.946	0.967	-2.2
Phenol-d5	1.536	1.601	-0.3
1,2-Fluorophenol	1.047	1.258	-20.2
1,2,4,6-Tetrabromobenzeno	0.247	0.216	12.6

(I) Cannot be separated from Diphenylamine

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AR303834

Lab Name: CEIMIC 10282 Contract #: 62090029

Lab Code: CEIMIC Case No.: 15229 SAS No.: _____ SDG No.: CBE27

Instrument ID: M64 Calibration date: 02/27/91 Time: 1244

Lab File ID: D4807 Init. Calib. Date/Time: 12/27/90 12/27/90

Min RRFEO for SPQC(*) = 0.050 Max %D for CCC(*) = 25.0

COMPOUND	RRF	RRFEO	%D
Phenol	1.512	1.687	-11.6 *
Bis(2-Chloroethyl)Ether	1.323	1.494	-12.1
2-Chlorophenol	1.298	1.425	-9.8
1,3-Dichlorobenzene	1.520	1.560	-4.6
1,4-Dichlorobenzene	1.470	1.503	-2.2 *
Benzyl Alcohol	0.704	0.856	-21.6
1,2-Dichlorobenzene	1.408	1.458	-3.3
2-Methylphenol	1.102	1.247	-13.2
Bis(2-Chloroisopropyl)Ether	1.740	2.564	<u>-47.4</u>
4-Methylphenol	1.138	1.286	-13.0
N-Nitroso-2-p-Butylamine	# 1.028	1.078	-5.2 #
Hexachlorobutane	0.514	0.610	2.2
Nitrobenzene	0.378	0.381	-0.5
Isobutane	0.758	0.824	-10.3
2-Nitrobenzene	0.217	0.247	-12.9 *
2,4-Dimethylphenol	0.250	0.284	-14.0
Benzoic Acid	0.179	0.226	<u>-26</u>
Bis(2-Chloroethoxy)Methane	0.492	0.523	-8.3
2,4-Dichlorophenol	0.311	0.340	-9.2 *
1,2,4-Trichlorobenzene	0.364	0.370	-1.6
Hexachlorobutane	0.246	0.253	-3.3
4-Chloroaniline	0.402	0.448	-11.2
Hexachlorocyclohexane	0.223	0.207	7.2 *
4-Chloro-3-Methylphenol	0.257	0.289	-9.0 *
2-Methylnapthalene	0.665	0.746	-12.2
Hexachlorocyclopentadiene	# 0.239	0.199	16.7 #
2,4,6-Trichlorophenol	0.420	0.441	-5.0 *
2,4,5-Trichlorophenol	0.468	0.515	-10.0
2-Chloronaphthalene	1.192	1.231	-3.3
2-Nitroaniline	0.470	0.479	-1.9
Dimethyl Phenolate	1.445	1.525	-12.5
Acenaphthylene	1.765	1.988	-12.6
2,6-Dinitrotoluene	0.406	0.461	-13.6
3-Nitroaniline	0.383	0.423	-10.4
Acenaphthene	1.185	1.320	-11.4 *
2,4-Dinitrophenol	# 0.185	0.207	-11.9 #
4-Nitrophenol	# 0.154	0.188	-22.1 #

SBLK03

SEMI-VOLATILE CONTINUING CALIBRATION

Lab Name: CEIMIC CORP Contract: 68080028
 Lab Code: CEIMIC Case No.: 15808 SAG No.: _____ SOD No.: C8E27
 Instrument ID: M54 Calibration date: 02/27/81 Time: 1244
 Lab File ID: 24907 Init. Calib. Date(s): 12/27/80 12/27/80
 Min RRF50 for QCC(*) = 0.050 Max %D for QCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D
Dibenzofuran	1.741	1.982	-3.1
2,4-Dinitrotoluene	0.528	0.643	-12.2
Diacetylphthalate	1.581	1.777	-12.4
4-Chlorophenyl-phenylether	0.675	0.727	-7.7
Fluorane	1.441	1.558	-8.0
4-Nitroaniline	0.386	0.431	-11.7
4,6-Dinitro-2-Methylphenol	0.157	0.168	-7.0
N-Nitrosodiphenylamine (1)	0.477	0.553	-15.9 *
4-Bromophenyl-phenylether	0.231	0.229	1.3
Hexachlorobenzene	0.278	0.223	16.5
Phenylchlorophenol	0.142	0.160	-12.7 *
Phenanthrene	1.052	1.152	-9.5
Anthracene	1.044	1.137	-9.9
2-Chlorobutylphthalate	1.883	1.843	-10.4
Fluoranthene	1.220	1.377	-4.3 *
Pyrene	1.460	1.626	-11.4
Butylbenzylphthalate	0.868	1.061	-21.2
1,3,5-Dichlorobenzidine	0.392	0.421	-7.4
Benzo(a)Anthracene	1.326	1.475	-11.2
Chrysene	1.278	1.450	-12.8
Bis(2-n-Butylnhexyl)Phthalate	1.193	1.447	-21.3
1-O-n-Octyl Phthalate	2.225	2.462	-10.6 *
Benzo(b)Fluoranthene	1.508	1.437	5.4
Benzo(k)Fluoranthene	1.142	1.180	-3.3
Benzo(a)Pyrene	1.139	1.172	1.7 *
Indeno(1,2,3- <i>cd</i>)Pyrene	0.371	1.167	-20.2
Dibenzo(a,h)Anthracene	0.912	1.134	-24.3 *
Benzo(g,h,i)Perylene	0.884	1.141	(2.1)
Nitrobenzene-d8	0.372	0.381	-2.4
2-Fluorophenyl	1.265	1.265	-1.5
Terphenyl-d14	0.948	1.004	-6.1
Phenol-d5	1.536	1.614	-1.1
2-Fluorophenol	1.047	1.240	-19.4
2,4,6-Tribromoanisole	0.247	0.218	11.7

(1) Cannot be separated from Diphenylamine

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FORM VII SV-2

1/87 Rev

AR303836

SEMI-VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: OEMIC CORP Contract: 68D90028
 Lab Code: OEMIC Case No.: 15838 SAS No.: SDG No.: OEM27
 Instrument ID: MS4 Calibration date: 03/28/91 Time: 1632
 Lab File ID: OEM27 Init. Calib. Date(s): 12/27/90 12/27/90
 Min RRF30 for SPIC(##) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	RRF	IRRF30	%D
Phenol	* 1.512	1.632	-7.9 *
bis(2-Chloroethyl)Ether	1.333	1.489	-9.5
2-Chloroethanol	1.236	1.262	-4.9
1,2-Dichlorobenzene	1.520	1.531	-4.7
1,4-Dichlorobenzene	* 1.470	1.578	-7.4 *
Benzyl Alcohol	0.704	0.479	(21)
1,2-Dichlorobenzene	1.408	1.524	-8.2
2-Methylphenol	1.102	1.264	-12.8
bis(2-Chloroisopropenyl)Ether	1.740	2.841	(33)
4-Nitrophenol	* 1.128	1.425	(25)
N-Nitroso-2-n-Propylamine	# 1.026	1.168	-13.5 #
4-Hydroxyacetanilide	* 0.824	0.817	1.1
Nitrobenzene	0.278	0.289	-1.6
Asperone	0.752	0.784	-4.0
2-Nitrobenzaldehyde	* 0.217	0.236	-9.7 *
2,4-Dimethylphenol	0.250	0.370	-5.7
Benzoic Acid	0.178	0.143	20.1
bis(2-Chloroethoxy)Methane	0.462	0.512	-4.1
2,4-Dichlorobenzenol	* 0.311	0.342	-10.0 *
1,2,4-Trichlorobenzene	0.264	0.383	-5.2
Naphthalene	0.948	1.012	-7.0
4-Chloroniline	0.402	0.383	5.0
Hexachlorocyclopentadiene	* 0.223	0.238	-5.9 *
4-Chloro-3-Methylphenol	* 0.357	0.420	-17.6 *
2-Methylnaphthalene	0.625	0.811	-22.0
Hexachlorocyclopentadiene	# 0.228	0.085	(64) #
2,4,6-Trichlorophenol	* 0.420	0.394	6.2 *
2,4,5-Trichlorophenol	0.428	0.467	0.2
2-Chloronaphthalene	1.192	1.142	4.2
2-Nitroaniline	0.470	0.429	8.7
Dimethyl Phthalate	1.445	1.434	0.8
Aceanaphthylene	1.765	1.721	2.5
2,6-Dinitrotoluene	0.406	0.406	0.0
3-Nitroaniline	0.388	0.364	5.0
Aceanaphthene	* 1.185	1.204	-1.6 *
2,4-Dinitrophenol	# 0.185	0.029	(46.5) #
4-Nitrophenol	# 0.154	0.138	10.4 #

CBE 35

CBE 34 MSL

7C
SEMI VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CEIMIC CORP Contract: 62090028
 Lab Code: CEIMIC Case No.: 15002 SAS No.: SDG No.: CB627
 Instrument ID: MS4 Calibration date: 02/29/91 Time: 1632
 Lab File ID: 05151 Init. Calib. Date(s): 12/27/90 12/27/90
 Min RRF50 for CCC(*) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	REF	RRF50	%D
Dibenzofuran		1.741	1.793 -3.0
2,4-Dinitrotoluene		0.568	0.554 +2.5
Diethylnitroalate		1.521	1.568 +0.9
4-Chlorophenyl-phenylether		0.675	0.715 -5.9
Fluorane		1.441	1.280 +4.2
4-Nitroaniline		0.388	0.353 +8.5
4,6-Dinitro-2-Methylphenol		0.157	0.134 +14.6
NN-Nitrosodiphenylamine (1)†		0.477	0.540 -12.2 *
4-Ethoxyphenyl-phenylether		0.231	0.234 +1.3
Hexachlorocyclohexane		0.279	0.290 +0.4
Heptachlorobenzene		0.142	0.129 +9.9 *
Phenanthrene		1.052	1.080 +2.7
Anthracene		1.044	1.063 +1.8
2,6-Bisphenylbenzoate		1.663	1.632 +3.8
Fluoranthene		1.220	1.293 +5.5 *
Syrene		1.460	1.522 +6.4
Butylbenzylphthalate		0.963	0.979 -12.9
2,2'-Dichlorobenzidine		0.322	0.422 +7.7
Benzo(a)Anthracene		1.226	1.496 +12.8
Phryne		1.278	1.418 +11.1
Isobutylbenzylphthalate		1.182	1.402 +17.5
Dimethyl Phthalate	†	1.225	1.263 +12.9
Benzo(b)Fluoranthene		1.509	1.562 +3.5
Benzo(k)Fluoranthene		1.142	1.238 +17.2
Benzo(a)Pyrene	†	1.193	1.310 +9.8 *
Indeno(1,2,3-cd)Pyrene		0.971	1.222 +25.0
Dibenzo(a,h)Anthracene		0.912	1.210 +32.7
Benzo(g,h,i)Perylene		0.884	1.158 +31.0
Nitrobenzene-d5		0.372	0.393 +3.0
2-Fluorophenyl		1.365	1.223 +10.4
Terphenyl-d14		0.946	0.968 +2.3
Phenol-d5		1.596	1.636 +2.5
2-Fluorophenol		1.047	1.143 +9.3
2,4,6-Tribromophenol		0.247	0.220 +10.9

(1) Cannot be separated from Diphenylamine

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SEMICVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CEIMIC CORP Contract: 63D900028
 Lab Code: CEIMIC Case No.: 15808 SAS No.: SDG No.: CBE27
 Instrument ID: MS4 Calibration date: 02/21/81 Time: 12E7
 Lab File ID: 25E27 Init. Calib. Date(s): 12/27/80 12/27/80
 Min RRF50 for SP200(%) = 0.050 Max %D for COD(*) = 25.0*

COMPOUND	RRF	RRF50	%D
Phenol	* 1.512	1.552	-2.6 *
Iota(2-Chloroethyl)Ester	1.333	1.294	0.9
1,2-Chloroanenol	1.298	1.344	-3.5
1,1,2-Dichloroanenane	1.520	1.501	1.0
1,1,4-Dichloroanenane	* 1.470	1.411	4.0 *
Benzyl Alcohol	0.704	0.698	0.9
1,1,2-Dichloroanenane	1.402	1.454	-3.2
1,2-Methylenphenol	1.102	1.181	-7.4
Iota(2-Chloroisopropyl)Ester	1.740	2.469	(1.3)
1,4-Methylenphenol	1.138	1.250	-10.7
N,N-Nicodimethylbenzylamine	# 1.028	1.021	-0.5 #
Benzalchloroanenane	0.814	0.820	0.6
Nitroanenane	0.272	0.272	1.8
Isocyanine	0.758	0.771	-2.0
2-Nitroanenane	* 0.217	0.248	-14.3 *
2,4-Dimethylenphenol	0.350	0.344	1.7
Benzidic Acid	0.178	0.110	(28.6)
Iota(2-Chloroethoxy)Methane	0.492	0.487	1.0
2,4-Dichlorophenol	* 0.311	0.342	-10.0 *
1,1,2,4-Tetrachloroanenane	0.364	0.380	-5.2
Naphthalene	0.648	1.012	-7.0
1,4-Chloraniline	0.403	0.396	1.7
Heptachlorobutadiene	* 0.223	0.229	-2.2
1,4-Chloro-2-Methylenphenol	* 0.257	0.269	-3.4 *
2-Methylnaphthalene	0.665	0.706	-5.2
Heptachlorocyclopentadiene	# 0.238	0.193	(57.0) #
1,2,4,6-Trichlorophenol	* 0.420	0.396	5.7 *
1,2,4,5-Trichlorophenol	0.462	0.399	14.7
2-Chloronaphthalene	1.192	1.126	5.5
2-Nitroaniline	0.470	0.409	13.0
Dimethyl Phthalate	1.445	1.305	3.7
Acanaphthylene	1.768	1.624	8.0
1,2,6-Dinitrotoluene	0.406	0.387	4.7
3-Nitroaniline	0.282	0.232	18.3
Acanaphthene	* 1.185	1.168	1.4 *
1,2,4,6-Dinitrophenol	# 0.185	0.071	(1.6) #
4-Nitrophenol	# 0.154	0.109	(29.7) #

CBE 34

7C
SEMICVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CESIMIC CORP Contract: 62D9002B
 Lab Code: CESIMIC Case No.: 15208 SAS No.: SDG No.: CBE27
 Instrument ID: 264 Calibration date: 02/21/81 Time: 1257
 Lab File ID: DE277 Init. Calib. Date(s): 12/27/80 12/27/80
 Min RRF50 for SPCC(*) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D
Dibenzofuran	1.7411	1.5851	9.0
2,4-Dinitrotoluene	0.5681	0.5041	11.3
Diethylphthalate	1.5811	1.4221	10.1
4-Chlorocinnyl-phenylether	0.6751	0.6471	4.1
Fluorane	1.4411	1.3041	8.5
4-Nitroaniline	0.3861	0.2601	32.5
4,6-Dinitro-2-Methylphenol	0.1571	0.1141	37.1
N-Nitrosodimethylamine (1)*	0.4771	0.5421	-12.6 *
4-Bromophenyl-phenylether	0.2311	0.2451	-6.1
Hexachlorobenzene	0.2791	0.2761	0.0
2-Ethylchloroethanol	0.1421	0.1071	24.6 *
2-Ethyltoluene	1.0521	1.1121	-5.9
Anthracadene	1.0441	1.0361	0.9
2-(n-Butyl)benzalacetate	1.6881	1.5601	0.5
Fluoranthene	1.3201	1.2021	8.9 *
Pyrene	1.4601	1.7191	-17.7
Butylbenzylbenzalacetate	0.8831	0.8911	-2.6
2,2'-Dichlorobenzidine	0.3921	0.3331	15.0
Benzol(a)Anthracadene	1.3261	1.3401	-1.1
Chrysene	1.2781	1.1781	7.7
Bis(2-Ethylhexyl)Phthalate	1.1931	1.2541	-5.1
Bis-n-Octyl Phthalate	2.2251	2.5841	-16.6 *
Benzol(b)Fluoranthene	1.5091	1.4941	1.0
Benzol(k)Fluoranthene	1.1421	1.2731	-20.8
Benzol(a)Pyrene	1.1931	1.2711	-6.5 *
Indeno(1,2,3-cd)Pyrene	0.9711	1.1041	-13.7
Dibenz(a,h)Anthracadene	0.9121	1.1321	-24.1
Benzol(g,h,i)Perylene	0.9841	1.0521	-19.0
Nitrobenzene-d5	0.3721	0.3701	0.5
2-Fluorocinnamyl	1.3651	1.2331	9.7
Terphenyl-d14	0.9461	0.8701	-2.5
Phenol-d5	1.5961	1.5391	0.4
2-Fluorophenol	1.0471	1.1271	-7.6
2,4,6-Tribromophenol	0.2471	0.1931	21.9

(1) Cannot be separated from Diphenylamine

IA
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CSE04MSD

Lab Name: <u>CEIMIC CORP</u>	Contract #: <u>6AD90029</u>		
Lab Order: <u>CEIMIC</u>	Case No.: <u>15133</u>	SAS No.: _____	SDG No.: <u>02627</u>
Matrix: (solid/water) <u>SOIL</u>	Lab Sample ID: <u>910066-08MSD</u>		
Sample wt/vol: <u>.5.0 (g/mL)</u>	<u>G</u>	Lab File ID: <u>06364</u>	_____
Level: (low/med) <u>LOW</u>	Date Received: <u>02/06/91</u>		
% Moisture: not dec. <u>21</u>	Date Analyzed: <u>02/13/91</u>		
Column: (pack/cap) <u>CAP</u>	Dilution Factor: <u>1.0</u>		

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/Kg
74-87-3-----Chloromethane		13	10
74-88-3-----Bromomethane		13	10
75-01-1-----Vinyl Chloride		13	10
75-00-3-----Chloroethane		13	10
75-09-2-----Methylene Chloride		13	10
67-64-1-----Acetone		13	10
75-15-0-----Carbon Disulfide		13	10
75-05-4-----1,1-Dichloroethene		13	10
75-04-0-----1,1-Dichloroethane		13	10
540-02-0-----1,2-Dichloroethene (total)		13	10
67-63-3-----Chloroform		13	10
107-06-2-----1,2-Dichloroethane		13	10
78-32-0-----2-Butanone		13	10
71-55-8-----1,1,1-Trichloroethane		13	10
58-12-5-----Carbon Tetrachloride		13	10
108-05-4-----Vinyl Acetate		13	10
78-57-4-----Bromodichloromethane		13	10
78-37-6-----1,2-Dichloropropane		13	10
10061-01-5-----cis-1,3-Dichloropropene		13	10
79-01-6-----Trichloroethane		13	10
124-48-1-----Dibromoacetonemethane		13	10
79-00-5-----1,1,2-Trichloroethane		13	10
71-43-2-----Benzene		13	10
10061-02-6-----Trans-1,3-Dichloropropene		13	10
75-25-2-----Bromoform		13	10
108-10-1-----4-Methyl-2-Pentanone		13	10
591-78-6-----2-Hexanone		13	10
127-18-4-----Tetrachloroethene		2	10
79-34-5-----1,1,2,2-Tetrachloroethane		6	10
108-88-3-----Toluene		6	10
108-90-7-----Chlorobenzene		6	10
100-41-4-----Ethylbenzene		6	10
100-42-5-----Styrene		6	10
1230-20-7-----Total Xylenes		6	10

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CEIMIC CORP Contract: 6AD90028 EPA SAMPLE NO. CBE34MS

Lab Code: CBE34 Case No.: 15628 SDS No.: _____ SDS No.: CBE27

Matrix: (soil/water) SOIL Lab Sample ID: 910066-08M

Sample wt/vol: 20.3 (g/mL) Lab File ID: A7259

Level: (low/med) LOW Date Received: 02/06/91

% Moisture: not dec. 18 dec. _____ Date Extracted: 02/15/91

Extraction: (Sep/F/Cons/Sonic) SONIC Date Analyzed: 04/02/91

GC/C Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

108-95-2-----Phenol	2400	IU	
111-44-4-----bis(2-Chloroethyl)Ether	2400	IU	
66-57-3-----2-Chlorophenol	2400	IU	
541-79-1-----1,3-Dichlorobenzene	2400	IU	
106-48-7-----1,4-Dichlorobenzene	2400	IU	
100-51-6-----Benzyl Alcohol	2400	IU	
95-50-1-----1,1-Dichlorobenzene	2400	IU	
95-48-7-----2-Methylphenol	2400	IU	
108-60-1-----bis(2-Chloroisopropyl)Ether	2400	IU	
106-44-5-----4-Methylphenol	2400	IU	
621-64-7-----N-Nitroso-Di-n-Propylamine	2400	IU	
67-72-1-----Hexachloroethane	2400	IU	
69-95-3-----Nitrobenzene	2400	IU	
79-59-1-----Isochorone	2400	IU	
89-75-9-----2-Nitrophenol	2400	IU	
105-57-9-----2,4-Dimethylphenol	2400	IU	
65-85-0-----Benzoic Acid	12000	IU	
111-91-1-----bis(2-Chloroethoxy)methane	2400	IU	
120-83-2-----2,4-Dichlorophenol	2400	IU	
120-82-1-----1,2,4-Trichlorobenzene	2400	IU	
91-20-3-----Naphthalene	2400	IU	
106-47-8-----4-Chloraniline	2400	IU	
67-68-3-----Hexachlorobutadiene	2400	IU	
59-50-7-----4-Chloro-2-Methylphenol	2400	IU	
91-57-6-----2-Methylnaphthalene	2400	IU	
77-47-4-----Hexachlorocyclopentadiene	2400	IU	
88-06-2-----2,4,6-Trichlorophenol	2400	IU	
95-95-4-----2,4,5-Trichlorophenol	12000	IU	
91-58-7-----2-Chloronaphthalene	2400	IU	
88-74-4-----2-Nitroaniline	12000	IU	
131-11-3-----Dimethyl Phthalate	2400	IU	
208-96-8-----Acenaphthylene	2400	IU	
606-20-2-----2,6-Dinitrotoluene	2400	IU	

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SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBE34MS

Lab Name: CEIMIC CORP Contract: 6AD90029

Lab Code: CBE34 Case No.: 15836 SAS No.: SDG No.: CBE27

Matrix: (solid/water) Solid Lab Sample ID: 910066-09MS

Sample wt/vol: 20.0 (g/mL) g Lab File ID: A7259

Level: (low/med) Low Date Received: 02/06/91

% Moisture: not dec. 18 dec. Date Extracted: 02/15/91

Extraction: (Sep/F/Conc/Sonic) Sonic Date Analyzed: 04/02/91

HPLC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/Kg
99-09-2	3-Nitroaniline	12000	IU
83-32-9	Acenaphthene	2400	IU
51-29-2	2,4-Dinitrophenol	12000	IU
100-01-7	4-Nitrophenol	12000	IU
131-64-9	Bisenoifuran	2400	IU
121-14-2	2,4-Dinitrotoluene	2400	IU
64-66-2	Diarylpthalate	680	IU
7006-72-2	4-Chlorophenyl-phenylether	2400	IU
86-72-7	Fluorane	2400	IU
100-01-8	4-Nitroaniline	12000	IU
594-62-1	2,6-Dinitro-2-Methylphenol	12000	IU
28-20-6	N-Nitroacridophenylamine (1)	2400	IU
101-35-3	Bromochenyl-phenylether	2400	IU
118-74-1	Hexachlorobenzene	2400	IU
87-96-5	Pentachlorophenol	12000	IU
85-01-8	Phenanthrene	2400	IU
120-12-7	Anthracene	2400	IU
84-74-2	Di-n-Butylphthalate	2400	IU
206-44-0	fluoranthene	2400	IU
129-00-0	Pyrene	2400	IU
85-68-7	Butylbenzylphthalate	3500	I
91-94-1	3,3'-Dichlorobenzidine	4800	IU
56-55-3	Benz(a)Anthracene	2400	IU
219-01-9	Chrysene	2400	IU
117-81-7	bis(2-Ethylhexyl)Phthalate	7200	I
117-84-0	Di-n-Octyl Phthalate	2400	IU
205-99-2	Benz(b)Fluoranthene	2400	IU
207-08-9	Benz(k)Fluoranthene	2400	IU
50-32-8	Benz(a)Pyrene	2400	IU
193-39-5	Indeno(1,2,3-cd)Pyrene	2400	IU
53-70-3	Dibenz(a,h)Anthracene	2400	IU
191-24-2	Benz(g,h,i)Perylene	2400	IU

(1) - Cannot be separated from Diphenylamine

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CEIMIC CORP Contract: 6BD90028 | CB634MSD

Lab Code: CEIMIC Case No.: 15828 SAS No.: SDB No.: CB627

Matrix: (solid/water) Solid Lab Sample ID: 910066-09MSD

Sample wt/vol: 20.1 (g/mL) g Lab File ID: DE258

Level: (low/med) Low Date Received: 02/06/91

% Moisture: not dec. 13 dec. Date Extracted: 02/15/91

Extraction: (Soxh/Cont/Sonic) SONIC Date Analyzed: 03/29/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/mg
108-25-2	Phenol	800	IU
111-44-4	bis(2-Chloroethyl) Ether	800	IU
95-57-2	2-Chloroananol	800	IU
541-72-1	1,2-Dichlorobenzene	800	IU
106-46-7	1,4-Dichlorobenzene	800	IU
100-51-6	Benzyl Alcohol	800	IU
95-50-1	1,2-Dichlorobenzene	800	IU
85-49-7	2-Methylbenzol	800	IU
108-60-1	bis(2-Chloroisopropyl) Ether	800	IU
106-44-5	4-Methylbenzol	800	IU
621-64-7	N-Nitroso-2-(n-Propyl)amine	800	IU
67-72-1	Hexachloroethane	800	IU
95-55-2	Nitrobenzene	800	IU
78-53-1	Isophorone	800	IU
93-75-8	2-Nitrobenzol	800	IU
105-67-9	2,4-Dimethylphenol	800	IU
65-95-0	Benzoic Acid	3200	IU
111-81-1	bis(2-Chloroethoxy) Methane	800	IU
120-93-2	2,4-Dichlorophenol	800	IU
120-92-1	1,2,4-Trichlorobenzene	800	IU
91-20-3	Naphthalene	800	IJ
106-47-8	4-Chloroaniline	800	IU
87-63-2	Hexachlorobutadiene	800	IU
53-50-7	4-Chloro-2-Methylphenol	800	IU
91-57-6	2-Methylnaphthalene	800	IU
77-47-4	Hexachlorocyclopentadiene	800	IU
88-06-2	3,4,6-Trichlorophenol	800	IU
98-95-4	2,4,5-Trichlorophenol	3200	IU
91-58-7	2-Chloronaphthalene	800	IU
88-74-4	2-Nitroaniline	3200	IU
131-11-2	Dimethyl Phthalate	800	IU
208-96-8	Acenaphthylen	800	IU
606-20-2	2,6-Dinitrotoluene	800	IU

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: <u>CEIMIC CORP</u>	Contract: <u>62D90029</u>	EPA SAMPLE NO. <u>C8E24MSD</u>
Lab Code: <u>C8E27</u>	SAS No.: _____	SDG No.: <u>C8E27</u>
Matrix: (solid/water) <u>solid</u>	Lab Sample ID: <u>810066-08MSD</u>	
Sample wt/vol: <u>20.1 (g/mL)</u>	Lab File ID: <u>D8258</u>	
Level: (low/med) <u>Low</u>	Date Received: <u>02/06/91</u>	
% Moisture: not dec. <u>18</u> dec. _____	Date Extracted: <u>02/15/91</u>	
Extraction: (Soxh/Cont/Sonic) <u>SONC</u>	Date Analyzed: <u>03/28/91</u>	
HPLC Cleanup: (Y/N) <u>N</u>	pH: <u>7.9</u>	Dilution Factor: <u>2.0</u>

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/Kg
99-09-2	2-Nitroaniline	3200	IU
82-32-8	Acetanilidene	800	IU
51-28-5	2,4-Dinitroanisole	2500	IU
100-02-7	2,4-Nitroanenol	3200	IU
122-64-3	2-Benzofuran	800	IU
121-14-2	2,4-Dinitroaniline	800	IU
84-66-2	Diethylphthalate	1400	I
7006-72-2	4-Chloromethyl-phenylether	800	IU
86-72-7	Fluorane	800	IU
100-01-6	4-Nitroaniline	3200	IU
524-52-1	4,5-Dinitro-2-Methylbenzeno	3200	IU
58-20-6	N-Nitrosodiphenylamine (1)	800	IU
101-52-2	4-Bromoethyl-phenylether	800	IU
118-74-1	Hexachlorobenzene	800	IU
97-26-5	Pentachlorophenol	3200	IU
95-01-8	Phenanthrene	800	IU
120-12-7	Anthracene	800	IU
84-74-2	Di-n-Butylphthalate	97	IJ
206-44-0	Fluoranthene	800	IU
128-00-0	Pyrene	800	IU
85-68-7	n-Butylbenzylphthalate	3100	I
91-24-1	2,2'-Dichlorobenzidine	1600	IU
56-55-2	Benzo(a)Anthracene	800	IU
218-01-9	Chrysene	800	IU
117-91-7	bis(2-Ethylhexyl)Phthalate	3200	I
117-84-0	Di-n-Octyl Phthalate	800	IU
205-99-2	Benzo(b)Fluoranthene	84	IJ
207-08-9	Benzo(k)Fluoranthene	800	IU
50-32-8	Benzo(a)Pyrene	800	IU
193-38-5	Indeno(1,2,3-cd)Pyrene	800	IU
53-70-3	Dibenz(a,h)Anthracene	800	IU
181-24-2	Benzo(g,h,i)Perylene	800	IU

(1) - Cannot be separated from Diphenylamine

1689

FORM I SV-2

1/87 Rev
AR303845

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PESTICIDES ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

C8E34MS

Lab Name: <u>CEIMIC CORP</u>	Contract: <u>63D90028</u>	EPA SAMPLE NO. <u>C8E34MS</u>
Lab Code: <u>C8E34</u>	Case No.: <u>15326</u>	SAC No.: _____ SDG No.: <u>03527</u>
Matrix: <u>Soil/water</u>	<u>3011</u>	Lab Sample ID: <u>910068-08Ms</u>
Sample wt/vol:	<u>20.1</u> (g/ml) <u>g</u>	Lab File ID: _____
Level: <u>(low/med)</u>	<u>LW</u>	Date Received: <u>02/06/91</u>
% Metabuse: <u>not dec.</u>	<u>13</u> dec.	Date Extracted: <u>02/15/91</u>
Extraction: <u>(SocF/Cnt/Sonic)</u>	<u>SONIC</u>	Date Analyzed: <u>02/21/91</u>
GPC Cleanup: <u>(Y/N)</u> <u>N</u>	pH: <u>7.3</u>	Dilution Factor: <u>1.0</u>

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>ug/kg</u>	
		9	10
319-84-8-----alpha-BHC		9.710	
319-85-7-----beta-BHC		9.710	
319-86-8-----delta-BHC		9.710	
32-29-9-----gamma-BHC ("Endosulfan")		9.710	
78-44-3-----heptachlor		9.710	
109-01-2-----heptachlor		9.710	
1024-37-0-----heptachlor epoxide		9.710	
523-68-3-----Endosulfan I		9.710	
51-57-1-----Heptdrin		10	
72-82-6-----4,4'-DDT		10	
210-0-8-----Endrin		10	
1021-2-23-8-----Endosulfan II		10	
11124-2-----4,4'-DDD		10	
11121-07-2-----Endosulfan sulfate		10	
81-123-2-----4,4'-DDT		10	
71-42-5-----Methoxychlor		97	10
52484-70-5-----Endrin ketone		10	
5103-71-9-----alpha-Chlordane		97	10
5103-74-2-----gamma-Chlordane		97	10
8001-25-2-----Tokaphene		100	10
12674-11-2-----Aroclor-1018		97	10
11104-28-2-----Aroclor-1221		97	10
11141-18-5-----Aroclor-1232		97	10
52488-21-8-----Aroclor-1242		97	10
12672-28-6-----Aroclor-1248		97	10
11087-68-1-----Aroclor-1254		100	10
11066-62-5-----Aroclor-1260		100	10

FORM I PEST

1818
1/87 Rev.

AR303846

PESTICIDE ORGANIC ANALYSIS DATA SHEET

E. M. SAMPLE NO.

C8E34MSD

Lab Name: CERIMIC CORP Contract: 6AD80028

Lab Code: C8E34 Case No.: 15309 SAG No.: _____ SDG No.: C8E27

Matrix: Soil/Water 3100 Lab Sample ID: 310066-C8E34

Sample wt/vol: 20.4 (g/mL) g Lab File ID: _____

Level: Low/med Low Date Received: 02/06/81

% Moisture: not dec. 12 dec. _____ Date Extracted: 02/15/81

Extraction: (BacP/Cone/Bond) SONIC Date Analyzed: 03/21/81

HPLC Cleanup: UV/NP N pH: 7.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(<u>ug/L</u> or <u>ug/Kg</u>)	<u>ug/mg</u>
200-84-2-----alpha-BHC		9.610	
71-8-86-----beta-BHC		9.610	
212-86-8-----delta-BHC		9.610	
52-99-3-----gamma-BHC /Lindane		9.610	
71-44-2-----heptachlor		9.610	
111-67-1-----Aldrin		9.610	
111-14-7-----heptachlor acetate		9.610	
262-62-2-----Endosulfan I		9.610	
20-87-1-----Heptdrin		16	10
72-28-2-----4,4'-DDT		16	10
72-24-8-----Bacloin		16	10
22212-18-3-----Endosulfan II		16	10
71-54-2-----4,4'-DDD		16	10
111-17-2-----Endosulfan sulfate		16	10
21-12-2-----4,4'-DDT		16	10
71-40-5-----methoxychlor		96	10
52464-70-6-----Endrin ketone		19	10
5102-71-9-----alpha-Chlordane		96	10
5102-74-2-----gamma-Chlordane		96	10
20001-25-2-----Toxaphene		190	10
12274-11-2-----Aroclor-1018		96	10
11104-12-2-----Aroclor-1221		96	10
11141-15-5-----Aroclor-1232		96	10
52469-21-9-----Aroclor-1242		96	10
12272-29-6-----Aroclor-1248		96	10
11097-53-1-----Aroclor-1254		190	10
11056-82-5-----Aroclor-1260		190	10

IA
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: <u>EMIAC DOFS</u>	Contract: <u>62000028</u>	VBLK02
Lab Code: <u>EMIAC</u>	Case No.: <u>15202</u>	SDG No.: <u>02027</u>
Matrix: (soil/water) <u>Soil</u>	Lab Sample ID: <u>V20212-31</u>	
Sample wt/vol: <u>5.0 (g/mL)</u>	Lab File ID: <u>08942</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>02/12/91</u>	
% Moisture: not dec. <u>0</u>	Date Analyzed: <u>02/12/91</u>	
Column: (pack/cap) <u>CAP</u>	Dilution Factor: <u>1.0</u>	

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/Kg
74-87-3-----	Chloromethane	10	10
74-82-8-----	Bromomethane	10	10
75-01-1-----	Vinyl Chloride	10	10
75-00-3-----	Chloroethane	10	10
75-09-2-----	Methylene Chloride	10	10
67-64-1-----	Acetone	10	10
75-15-0-----	Carbon Disulfide	5	10
75-08-4-----	1,1-Dichloroethene	5	10
75-34-3-----	1,1-Dichloroethane	5	10
540-82-0-----	1,2-Dichloroethene (total)	5	10
67-56-3-----	Chloroform	5	10
107-06-2-----	1,2-Dichloroethane	5	10
78-30-0-----	1-Butanone	10	10
71-53-6-----	1,1,1-Trichloroethane	5	10
58-10-5-----	Carbon Tetrachloride	5	10
108-05-4-----	Vinyl Acetate	10	10
75-27-4-----	Bromodichloromethane	5	10
78-57-5-----	1,2-Dichloropropane	5	10
10061-01-5-----	cis-1,2-Dichloropropene	5	10
79-01-6-----	Trichloroethene	5	10
124-48-1-----	Dibromoethylmethane	5	10
78-00-5-----	1,1,2-Trichloroethane	5	10
71-43-2-----	Benzene	5	10
10061-02-6-----	Trans-1,3-Dichloropropene	5	10
75-25-2-----	Bromoform	5	10
108-10-1-----	4-Methyl-2-Pentanone	10	10
591-79-6-----	2-Hexanone	10	10
127-18-4-----	Tetrachloroethene	5	10
78-34-5-----	1,1,2-Tetrachloroethane	5	10
108-88-3-----	Toluene	5	10
108-90-7-----	Chlorobenzene	5	10
100-41-4-----	Ethylbenzene	5	10
100-42-5-----	Styrene	5	10
1230-20-7-----	Total Xylenes	5	10

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Name: <u>CEIMIC COPP</u>	Contract: <u>62030028</u>	EPA SAMPLE NO. <u>VBLK03</u>
Lab Code: <u>CEIMIC</u>	Case No.: <u>15808</u>	SDG No.: <u>C8E27</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>V30212-81</u>	
Sample wt/vol: <u>5.0</u> (g/mL) <u>B</u>	Lab File ID: <u>C8342</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>02/12/81</u>	
% Moisture: not dec. <u>0</u>	Date Analyzed: <u>02/12/81</u>	
Column (pack/cap) <u>CAP</u>	Dilution Factor: <u>1.0</u>	

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: SEIMCO CC&E Contract: E3D60028

Lab Code: 121102 Case No.: 15828 SAS No.: SDE No.: 02827

Matrix: (solid/water) WATER Lab Sample ID: V50212-81

Sample wt/vol: 5ml (g/mL) ML Lab File ID: E2925

Level: (low/med) LOW Date Received: 02/12/81

% Moisture: not dec. Date Analyzed: 02/12/81

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
74-87-3-----	Chloromethane	10	10
74-83-9-----	Bromomethane	10	10
75-01-4-----	Vinyl Chloride	10	10
75-00-3-----	Chloroethane	10	10
75-00-2-----	Methylene Chloride	5	10
67-64-1-----	Acetone	5	10
75-18-0-----	Carbon Disulfide	5	10
75-28-4-----	1,1-Dichloroethene	5	10
75-24-3-----	1,1-Dichloroethane	5	10
540-69-0-----	1,2-Dichloroethene (total)	5	10
67-55-3-----	Chloroform	5	10
107-08-1-----	1,2-Dichloroethane	5	10
78-12-0-----	2-Butanone	10	10
71-53-8-----	1,1,1-Trichloroethane	5	10
58-10-5-----	Carbon Tetrachloride	5	10
106-05-4-----	Vinyl Acetate	10	10
75-27-4-----	Bromo-dichloromethane	5	10
78-37-5-----	1,2-Dichloropropane	5	10
10061-01-5-----	cis-1,3-Dichloropropene	5	10
79-01-6-----	Trichloroethene	5	10
124-48-1-----	Dibromo-chloromethane	5	10
79-00-5-----	1,1,2-Trichloroethane	5	10
71-43-2-----	Benzene	5	10
10061-02-6-----	Trans-1,3-Dichloropropene	5	10
75-25-2-----	Bromoform	5	10
108-10-1-----	+Methyl-2-Pentanone	10	10
591-78-6-----	2-Hexanone	10	10
127-19-4-----	Tetrachloroethene	5	10
78-34-5-----	1,1,2,2-Tetrachloroethane	5	10
108-88-3-----	Toluene	5	10
108-90-7-----	Chlorobenzene	5	10
100-41-4-----	Ethylbenzene	5	10
100-42-5-----	Styrene	5	10
1230-20-7-----	Total Xylenes	5	10

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: CEIMIC CORP Contract: 63D90029 EPA SAMPLE NO.
Lab Code: CEIMIC Case No.: 15222 SDS No.: C3E27 VBLK04
Matrix: (soil/water) SOIL Lab Sample ID: V30213-51
Sample wt/vol: 5.0 (g/mL) 6 Lab File ID: 63960
Level: (low/med) LOW Date Received: 02/13/91
% Moisture: not dec. 0 Date Analyzed: 02/13/91
Column (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:
Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	G

IA
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

Lab Name: CEIMIC CORP Contract: 62060026

Lab Order: CEIMIC Case No.: 15306 SAS No.: SDG No.: 02627

Matrix: (soil/water) WATER Lab Sample ID: V50212-B1

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 62644

Level: (low/med) LOW Date Received: 02/13/91

% Moisture: not dec. Date Analyzed: 02/13/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	Q
74-87-3	Chloromethane	10
74-88-5	Bromomethane	10
75-01-4	Vinyl Chloride	10
75-00-0	Chloroethane	10
75-09-1	Methylene Chloride	5
67-64-1	Acetone	10
75-15-0	Carbon Disulfide	5
75-25-4	1,1-Dichloroethane	10
75-34-3	1,1-Dichloroethane	10
540-59-0	1,1-Dichloroethene (total)	10
67-66-2	Chloroform	10
107-06-2	1,2-Dichloroethane	10
72-93-2	2-Butanone	10
71-55-8	1,1,1-Trichloroethane	5
56-13-5	Carbon Tetrachloride	10
108-05-4	Vinyl Acetate	10
75-27-4	Bromodichloromethane	10
79-87-5	1,2-Dichloropropane	10
10061-01-5	cis-1,2-Dichloropropene	10
79-01-6	Trichloroethene	10
124-48-1	Dibromochloromethane	10
79-00-5	1,1,2-Trichloroethane	10
71-43-2	Benzene	5
10061-02-6	Trans-1,3-Dichloropropene	5
75-25-2	Bromoform	10
108-10-1	4-Methyl-2-Pentanone	10
591-78-6	2-Hexanone	10
127-18-4	Tetrachloroethene	5
79-34-5	1,1,2,2-Tetrachloroethane	5
108-88-3	Toluene	5
108-90-7	Chlorobenzene	5
100-41-4	Ethylbenzene	5
100-42-5	Styrene	5
1230-20-7	Total Xylenes	5

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK02

Lab Name: CEIMIC CORP Contract: 62D30029
Lab Code: CEIMIC Case No.: 15209 SAS No.: _____ SDG No.: C2E27
Matrix: (soil/water) WATER Lab Sample ID: V50212-21
Sample wt/vol: 5.0 (g/mL) ML Lab File ID: E2944
Level: (low/med) LOW Date Received: 02/13/91
% Moisture: not dec. Date Analyzed: 02/13/91
Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

<u>CAS NUMBER</u>	<u>COMPOUND NAME</u>	<u>RT</u>	<u>EST. CONC.</u>	<u>Q</u>
=====	=====	=====	=====	=====

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: CEIMIC CORP Contract: 62D30029

Lab Order: CEIMIC Case No.: 1E828 SAS No.: _____ SDG No.: C8E27

Matrix: (soil/water) WATER Lab Sample ID: S0211-81

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D4815

Level: (low/med) LOW Date Received: 02/11/91

% Moisture: not dec. dec. Date Extracted: 02/11/91

Extraction: (Sep/F/Cont/Sono) SF Date Analyzed: 02/18/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:		
		(ug/L or ug/Kg)	ug/L	Q
108-95-2	-Phenol	10	10	1
111-41-4	-bis(2-Chloroethyl)Ether	10	10	1
95-57-3	-1-Chloronanol	10	10	1
541-72-1	-1,2-Dichlorobenzene	10	10	1
108-68-7	-1,4-Dichlorobenzene	10	10	1
100-51-5	-Benzyl Alcohol	10	10	1
25-50-1	-1,2-Dichloroethane	10	10	1
63-48-7	-2-Methylphenol	10	10	1
108-60-1	-bis(2-Chloroisopropyl)Ether	10	10	1
106-44-5	-4-Methylphenol	10	10	1
621-64-7	-N-Nitroso-Di-n-Propanamine	10	10	1
57-72-1	-Hexachloroethane	10	10	1
99-95-3	-Nitrobenzene	10	10	1
79-59-1	-Isochorone	10	10	1
88-75-5	-2-Nitrophenol	10	10	1
105-67-9	-2,4-Dimethylphenol	10	10	1
62-25-0	-Benzoid Acid	50	10	1
111-91-1	-bis(2-Chloroethoxy)Methane	10	10	1
120-83-2	-2,4-Dichlorophenol	10	10	1
120-82-1	-1,2,4-Trichlorobenzene	10	10	1
91-20-3	-Naphthalene	10	10	1
106-47-8	-4-Chloraniline	10	10	1
87-62-3	-Hexaschlorobutadiene	10	10	1
59-50-7	-4-Chloro-3-Methylphenol	10	10	1
91-57-6	-2-Methylnaphthalene	10	10	1
77-47-4	-Hexaschlorocyclopentadiene	10	10	1
88-06-2	-2,4,6-Trichlorophenol	10	10	1
95-95-4	-2,4,5-Trichlorophenol	50	10	1
91-58-7	-2-Chloronaphthalene	10	10	1
88-74-4	-2-Nitroaniline	50	10	1
131-11-3	-Dimethyl Phthalate	10	10	1
208-36-3	-Acenaphthylene	10	10	1
606-20-2	-2,6-Dinitrotoluene	10	10	1

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SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: CEIMIC CORP. Contract: 88D30029

Lab Code: CEIMIC Case No.: 15209 SAS No.: SDS No.: CBE27

Matrix: (solid/water) WATER Lab Sample ID: S0211-B1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D4815

Level: (low/med) LOW Date Received: 02/11/91

% Moisture: not dec. dec. Date Extracted: 02/11/91

Extraction: (SapF/Cont/Sonic) SAPF Date Analyzed: 02/18/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
95-08-2-----	3-Nitroaniline	50	1U
80-22-9-----	Anisaphenene	10	1U
51-19-6-----	2,4-Dinitroanisol	50	1U
100-02-7-----	4-Nitrophenol	50	1U
121-64-8-----	Dibenzofuran	10	1U
121-14-2-----	2,4-Dinitrotoluene	10	1U
84-66-2-----	Diethylphthalate	10	1U
7005-72-2-----	4-Chlorophenyl-phenylether	10	1U
86-73-7-----	Fluorane	10	1U
100-01-6-----	4-Nitroaniline	50	1U
534-52-1-----	4,6-Dinitro-2-Methylyphenol	50	1U
56-20-5-----	N-Nitrosodimethylamine (1)	10	1U
101-83-3-----	4-Bromophenyl-phenylether	10	1U
113-74-1-----	Hexachlorobenzene	10	1U
87-86-5-----	Pentachloropropenol	50	1U
85-01-8-----	Phenanthrene	10	1U
120-12-7-----	Anthracene	10	1U
84-74-2-----	Di-n-Butylphthalate	10	1U
206-44-0-----	Fluoranthene	10	1U
122-00-0-----	Pyrene	10	1U
95-62-7-----	Butylbenzylphthalate	10	1U
81-84-1-----	2,3'-Dichlorobenzidine	20	1U
56-55-3-----	Benzo(a)Anthracene	10	1U
218-01-9-----	Chrysene	10	1U
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	10	1U
117-84-0-----	Di-n-Octyl Phthalate	10	1U
205-99-2-----	Benzo(b)Fluoranthene	10	1U
207-08-9-----	Benzo(k)Fluoranthene	10	1U
50-32-8-----	Benzo(a)Pyrene	10	1U
193-09-5-----	Indeno(1,2,3-cd)Pyrene	10	1U
53-70-3-----	Dibenz(a,h)Anthracene	10	1U
191-24-2-----	Benzo(g,h,i)Perylene	10	1U

(1) - Cannot be separated from Diphenylamine.

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK01

Lab Name: SEIMIC CORP Contract: ESD30023
Lab Code: SEIMIC Case No.: 15826 SAS No.: SOD No.: C8E27
Matrix: (soil/water) WATER Lab Sample ID: VE0012-81
Sample wt/vol: 5.0 (g/mL) ML Lab File ID: E2325
Level: (low/med) LOW Date Received: 02/12/91
% Moisture: not dec. Date Analyzed: 02/12/91
Column (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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EPA SAMPLE NO.

Lab Name: <u>CEIMIC CORP</u>	Contract #: <u>60D90029</u>	EPA Sample No.: <u>VBLK04</u>
Lab Code: <u>CEIMIC</u>	Case No.: <u>15828</u>	SDG No.: <u>02617</u>
Matrix: (solid/water) <u>SOIL</u>	Lab Sample ID: <u>V20012-81</u>	
Sample wt/vol: <u>5.0 (g/mL)</u>	Lab File ID: <u>08960</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>02/13/91</u>	
% Moisture: not dec. <u>0</u>	Date Analyzed: <u>02/13/91</u>	
Column: (pack/cap) <u>CAP</u>	Dilution Factor: <u>1.0</u>	

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
74-87-3	Chloromethane	10	10
74-29-9	Trichloromethane	10	10
75-01-4	Vinyl Chloride	10	10
75-00-2	Chloroethane	10	10
75-09-2	Acrylylene Chloride	5	10
67-64-1	Acetone	10	10
75-15-0	Carbon Disulfide	5	10
75-25-4	1,1-Dichloroethene	5	10
75-24-3	1,1-Dichloroethane	5	10
540-68-0	1,2-Dichloroethene (total)	5	10
87-62-3	Chloroform	5	10
107-06-2	1,2-Dichloroethane	5	10
78-82-9	1-Butanone	10	10
71-25-2	1,1,1-Trichloroethane	5	10
58-02-5	Carbon Tetrachloride	5	10
108-05-4	Vinyl Acetate	10	10
78-27-4	3-Chlorodichloromethane	5	10
78-87-5	1,2-Dichloropropane	5	10
10061-01-5	cis-1,2-Dichloropropane	5	10
79-01-6	Trichloroethene	5	10
124-48-1	Dibromochloromethane	5	10
78-00-5	1,1,2-Trichloroethane	5	10
71-43-2	Benzene	5	10
10061-02-6	Trans-1,3-Dichloropropene	5	10
75-25-2	Bromoform	5	10
108-10-1	4-Methyl-2-Pentanone	10	10
531-78-6	2-Hexanone	2	10
127-18-4	Tetrachloroethene	5	10
79-04-5	1,1,2,2-Tetrachloroethane	5	10
108-88-3	Toluene	5	10
108-90-7	Chlorobenzene	5	10
100-41-4	Ethylbenzene	5	10
100-42-5	Styrene	5	10
1330-20-7	Total Xylenes	5	10

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SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: CEIMIC CORP Contract: 62D90029 EPA Sample No.: SBLK01
Lab Code: CEIMIC Case No.: 15838 SAS No.: SDG No.: CBE27
Matrix: (soil/water) WATER Lab Sample ID: S0211-81
Sample wt/vol: 1000 (g/mL) M Lab File ID: D4815
Level: (low/med) LOW Date Received: 02/11/81
% Moisture: not dec. dec. Date Extracted: 02/11/81
Extraction: (SepF/Cont/Sonic) SEPF Date Analyzed: 02/19/81
GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

CONCENTRATION UNITS:
Number TICs found: 1 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	I	Q
1. 000000	Unknown	42.73	7.01	J	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S8LK03

Lab Name: CEMICO CORP Contract: 88030029

Lab Code: CEMICO Case No.: 15803 SAG No.: _____ SDS No.: 08827

Matrix: (solid/water) SOL Lab Sample ID: S0215-B1

Sample wt/vol: 30.0 (g/mL) 6 Lab File ID: D4909

Level: (low/med) LOW Date Received: 02/15/91

% Moisture: not dec. dec. Date Extracted: 02/15/91

Extraction: (SopF/Cont/Sonic) SONIC Date Analyzed: 02/27/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>ug/Kg</u>	Q
108-95-2	Phenol	330	IU
111-44-4	bis(2-Chloroethyl) Ether	330	IU
65-57-2	2-Chlorononenol	330	IU
541-73-1	1,3-Dichlorobenzene	330	IU
106-46-7	1,4-Dichlorobenzene	42	IJ
100-51-3	Benzyl Alcohol	330	IU
95-50-1	1,2-Dichlorobenzene	330	IU
95-48-7	2-Methylphenol	330	IU
108-80-1	bis(2-Chloroisopropyl) Ether	330	IU
106-44-8	4-Methylphenol	330	IU
631-64-7	N-Nitroso-Di-n-Propylamine	330	IU
67-70-1	Hexachlorocethane	330	IU
99-95-2	Nitrobenzene	330	IU
78-53-1	Isochorone	330	IU
98-75-8	2-Nitrophenol	330	IU
105-67-9	2,4-Dimethylphenol	330	IU
62-85-0	Benzoic Acid	1600	IU
111-81-1	bis(2-Chloroethoxy) Methane	330	IU
120-83-2	2,4-Dichlorophenol	330	IU
120-82-1	1,2,4-Trichlorobenzene	330	IU
91-20-2	Naphthalene	330	IU
106-47-8	4-Chloraniline	330	IU
97-58-2	Hexachlorobutadiene	330	IU
99-50-7	4-Chloro-3-Methylphenol	330	IU
91-57-6	2-Methylnaphthalene	330	IU
77-47-4	Hexachlorocyclopentadiene	330	IU
88-06-2	2,4,6-Trichlorophenol	330	IU
95-25-4	2,4,5-Trichlorophenol	1600	IU
91-58-7	2-Chloronaphthalene	330	IU
98-74-4	2-Nitroaniline	1600	IU
131-11-3	Dimethyl Phthalate	330	IU
208-96-8	Azenaphthylene	330	IU
606-20-2	2,6-Dinitrotoluene	330	IU

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SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CEMICO CORP Contract: 6AD300029 EPA SAMPLE NO.: SBLK03

ab Code: CEMICO Case No.: 15828 SAS No.: SDR No.: C8E27

Matrix: (solid/water) SOIL Lab Sample ID: S0215-21

Sample wt/vol: 20.0 g/ml G Lab File ID: D4303

Level: (low/med) LOW Date Received: 02/15/91

% Moisture: not dec. dec. Date Extracted: 02/15/91

Extraction: (SapF/Cont/Sono) Sono Date Analyzed: 02/27/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/Kg
99-09-2-----2-Nitroaniline		1600	IU
89-32-9-----4-nitroanisole		320	IU
51-28-5-----2,4-Dinitrophenol		1600	IU
100-02-7-----4-Nitropropanol		1600	IU
120-64-3-----2-Iodoxyfurane		320	IU
121-14-2-----2,4-Dinitrooluene		320	IU
84-66-2-----Diethylbenzalate		320	IU
7005-72-3-----4-Chlorophenyl-phenylether		320	IU
96-73-7-----Fluorane		320	IU
100-01-6-----4-Nitroaniline		1600	IU
524-52-1-----4,6-Dinitro-2-Methylphenol		1600	IU
26-20-6-----N,N-Dimethyldiphenylamine (1)		320	IU
101-55-3-----4-Bromophenyl-phenylether		320	IU
119-74-1-----Hexachlorobenzene		320	IU
87-96-5-----Pentachlorophenol		1600	IU
95-01-8-----Phenanthrene		320	IU
120-12-7-----Anthracene		320	IU
84-74-2-----Di-n-Butylphthalate		320	IU
206-44-0-----Fluoranthene		320	IU
129-00-0-----Pyrane		320	IU
85-62-7-----Butylbenzylphthalate		320	IU
91-94-1-----2,2'-Dichlorobenzidine		660	IU
56-55-3-----Benz(a)Anthracene		320	IU
218-01-9-----Chrysene		320	IU
117-81-7-----bis(2-Ethylhexyl)Phthalate		320	IU
117-84-0-----Di-n-Octyl Phthalate		320	IU
205-99-2-----Benz(b)Fluoranthene		320	IU
207-08-9-----Benz(k)Fluoranthene		320	IU
50-32-9-----Benz(a)Pyrene		320	IU
180-39-5-----Indeno(1,2,3-cd)Pyrene		320	IU
53-70-3-----Dibenz(a,h)Anthracene		320	IU
191-24-2-----Benz(g,h,i)Perylene		320	IU

(1) - Cannot be separated from Diphenylamine

1F
SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: <u>CEIMIC CORP</u>	Contract: <u>6AB00028</u>	<u>SRLK03</u>
Lab Code: <u>CEIMIC</u>	Case No.: <u>15908</u>	SAS No.: _____ SDS No.: <u>05627</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>S0215-B1</u>	
Sample wt/vol: <u>20.0</u> (g/mL) <u>G</u>	Lab File ID: <u>D4203</u>	
Level: (low/med) <u>LCW</u>	Date Received: <u>02/15/91</u>	
% Moisture: not dec. _____ dec. _____	Date Extracted: <u>02/15/91</u>	
Extraction: (Sep/F/Cont/Sono) <u>SONC</u>	Date Analyzed: <u>02/27/91</u>	
GPC Cleanup: (Y/N) <u>N</u>	pH: <u>7.0</u>	Dilution Factor: <u>1.00</u>

CONCENTRATION UNITS:
Number TICs found: 5 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000000	10CH16 Isomer	4.7E	530	IJ
2. 000000	10CH14 Isomer	5.0E	1400	IJ
3. 000000	Unknown	5.5E	1900	IJ
4. 122422	12-Pentanone, 4-Hydroxy-4-Methyl	6.3E	22000	IAJ
5. 000000	Unknown	7.87	1000	IJ

12
SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: <u>CEIMIC CORP</u>	Contract #: <u>68080028</u>	<u>SBLK02</u>
Lab Code: <u>CEIMIC</u>	Case No.: <u>15228</u>	SAS No.: <u>C8E27</u>
Matrix: <u>Acet/Water</u>	<u>WATER</u>	Lab Sample ID: <u>S0211-81</u>
Sample wt/vol: <u>1000</u>	(g/ml): <u>ml</u>	Lab File ID: <u>A7213</u>
Level: <u>Low/med</u>	<u>LCV</u>	Date Received: <u>02/11/81</u>
% Moisture: <u>not dec.</u>	<u>dec.</u>	Date Extracted: <u>02/11/81</u>
Extraction: <u>(SopF/Cont/Sorb)</u>	<u>SOPF</u>	Date Analyzed: <u>02/20/81</u>
GPC Cleanup: <u>(Y/N) N</u>	pH: <u>7.0</u>	Dilution Factor: <u>1.0</u>

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
108-95-2	Phenol	10	10
111-44-4	bis(2-Chloroethyl)Ether	10	10
95-57-3	2-Chlorophenol	10	10
841-72-1	1,2-Dichlorobenzene	10	10
106-48-7	1,4-Dichlorobenzene	10	10
100-51-2	Benzyl Alcohol	10	10
95-50-1	1,2-Dichlorobenzene	10	10
95-48-7	2-Methylphenol	10	10
108-60-1	bis(2-Chloroisopropyl)Ether	10	10
106-44-5	4-Methylbenzol	10	10
621-64-7	N-Nitroso-Di-n-Propylamine	10	10
67-72-1	Hexachloroethane	10	10
99-99-3	Nitrobenzene	10	10
79-59-1	Isophorone	10	10
28-75-5	2-Nitrophenol	10	10
106-67-8	2,4-Dimethylphenol	10	10
65-85-0	Benzoic Acid	50	10
111-91-1	bis(2-Chloroethoxy)Methane	10	10
120-83-2	2,4-Dichlorophenol	10	10
120-82-1	1,2,4-Trichlorobenzene	10	10
91-20-3	Naphthalene	10	10
106-47-8	4-Chloraniline	10	10
87-68-3	Hexachlorobutadiene	10	10
59-50-7	4-Chloro-2-Methylphenol	10	10
81-57-6	2-Methylnaphthalene	10	10
77-47-4	Hexachlorocyclopentadiene	10	10
68-06-2	2,4,6-Trichlorophenol	10	10
95-95-4	2,4,5-Trichlorophenol	50	10
91-58-7	2-Chloronaphthalene	10	10
88-74-4	2-Nitroaniline	50	10
131-11-0	Dimethyl Phthalate	10	10
208-96-8	Acenaphthylene	10	10
606-29-2	2,6-Dinitrotoluene	10	10

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: CEIMIC CORP Contract: 62090028 SBLK02
 Lab Code: CEIMIC Case No.: 15322 SAS No.: SDG No.: CBE27
 Matrix (solid/water) WATER Lab Sample ID: S0211-81
 Sample wt/vol: 1000 (g/mL) mL Lab File ID: A7213
 Level: (low/med) LOW Date Received: 02/11/91
 % Moisture: not det. det. Date Extracted: 02/11/91
 Extraction: (Sep/F/Cont/Sonic) SOPF Date Analyzed: 02/30/91
 GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
99-09-2	-2-Nitroaniline	50	uU
86-32-2	-Acenaphthene	10	uU
51-28-5	-2,4-Dinitrophenol	50	uU
140-02-7	-4-Nitrophenol	50	uU
122-64-3	-Dibenzofuran	10	uU
121-14-2	-2,4-Dinitrotoluene	10	uU
84-66-2	-Diethylphthalate	10	uU
7005-72-2	-4-Chloroanonyl-phenylether	10	uU
95-73-7	-Fluorene	10	uU
100-01-6	-4-Nitroaniline	50	uU
524-82-1	-4,6-Dinitro-2-Methylphenol	50	uU
26-30-6	-N-Nitrosodimethylamine (1)	10	uU
101-55-2	-4-Bromophenyl-phenylether	10	uU
112-74-1	-Hexachlorobenzene	10	uU
97-86-5	-Pentachloroethanol	50	uU
95-01-8	-Phenanthrene	10	uU
120-12-7	-Anthracene	10	uU
84-74-2	-Di-n-Butylphthalate	10	uU
206-44-0	-Fluoranthene	10	uU
129-00-0	-Pyrene	10	uU
95-68-7	-Butylbenzylphthalate	10	uU
91-94-1	-3,3'-Dichlorobenzidine	20	uU
56-55-3	-Benz(a)Anthracene	10	uU
219-01-3	-Chrysene	10	uU
117-91-7	-bis(2-Ethylhexyl)Phthalate	10	uU
117-84-0	-Di-n-Octyl Phthalate	10	uU
205-99-2	-Benz(b)Fluoranthene	10	uU
207-08-9	-Benz(k)Fluoranthene	10	uU
50-32-8	-Benz(a)Pyrene	10	uU
193-39-5	-Indeno(1,2,3-cd)Pyrene	10	uU
53-70-3	-Dibenz(a,h)Anthracene	10	uU
191-24-2	-Benz(g,h,i)Perylene	10	uU

(1) - Cannot be separated from Diphenylamine

SOLID/LATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLK02

Lab Name: CEIMIC COPP Contract: 68D90029

Lab Code: CEIMIC Case No.: 15828 SAS No.: _____ SDG No.: CBE27

Matrix: (soil/water) WATER Lab Sample ID: S0211-B1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A7213

Level: (low/med) LOW Date Received: 02/11/91

% Moisture: not dec. dec. _____ Date Extracted: 02/11/91

Extraction: (SepF/Cant/Solv) SEPF Date Analyzed: 03/30/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

CONCENTRATION UNITS:
Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Lab Name: CEIMIC CORP Contract: 6AD90028 SBLK04
 Lab Code: CEIMIC Case No.: 15828 SDS No.: 08627
 Matrix: Soil/water Lab Sample ID: S0215-B1
 Sample wt/vol: 20.0 (g/mL) Lab File ID: A7276
 Level: (low/med) LOW Date Received: 02/15/91
 % Moisture: not det. det. Date Extracted: 02/15/91
 Extraction: (SocF/Cont/Socn) SCNC Date Analyzed: 04/03/91
 GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>ug/Kg</u>	Q
108-95-2	-Phenol	330 IU	
111-44-4	-bis(2-Chloroethyl)Ether	330 IU	
95-67-3	-2-Chlorophenol	330 IU	
541-72-1	-1,2-Dichloro-1-phenene	330 IU	
106-48-7	-1,4-Dichlorobenzene	48 IU	
100-51-8	-Benzyl Alcohol	330 IU	
95-50-1	-1,2-Dihydro-1-phenene	330 IU	
26-48-7	-2-Methylenenol	220 IU	
108-60-1	-bis(2-Chloroisopropyl)Ether	330 IU	
106-44-5	-4-Methylenenol	330 IU	
621-64-7	-N-Vitroso-Di-n-Propylamine	330 IU	
57-72-1	-Benzylchlorothiane	330 IU	
99-95-3	-Nitrobenzene	330 IU	
79-58-1	-Isocoronene	330 IU	
89-75-5	-2-Nitrophenol	330 IU	
106-67-9	-2,4-Dimethylphenol	330 IU	
65-85-0	-Benzoid Acid	1600 IU	
111-91-1	-bis(2-Chloroethoxy)Methane	330 IU	
120-83-2	-2,4-Dichlorophenol	330 IU	
120-82-1	-1,2,4-Trichlorobenzene	330 IU	
91-20-3	-Naphthalene	330 IU	
106-47-8	-4-Chloroaniline	330 IU	
97-68-3	-Hexachlorocutadiene	330 IU	
59-50-7	-4-Chloro-3-Methylphenol	330 IU	
91-57-6	-2-Methylnaphthalene	330 IU	
77-47-4	-Hexachlorocyclopentadiene	330 IU	
88-06-2	-1,4,6-Trichlorophenol	330 IU	
95-95-4	-2,4,5-Trichlorophenol	1600 IU	
91-58-7	-2-Chloronaphthalene	330 IU	
88-74-4	-2-Nitroaniline	1600 IU	
131-11-3	-Dimethyl Phthalate	330 IU	
208-96-8	-Acenaphthylene	330 IU	
606-20-2	-2,6-Dinitrotoluene	330 IU	

SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Lab Name: CEIMIC CORP. Contract: SAB300028 SBLK04
 Lab Code: CEIMIC Case No.: 15338 SAS No.: _____ SDS No.: 08E07
 Matrix (soil/water): SOIL Lab Sample ID: S0215-B1
 Sample wt/vol: 30.0 (g/mL) S Lab File ID: A7276
 Level: (low/med) LOW Date Received: 02/15/91
 % Moisture: not dec. dec. _____ Date Extracted: 02/15/91
 Extraction: (Sep/F/Centr/Sonic) SONIC Date Analyzed: 04/03/91
 GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	Q
99-09-2-----3-Nitroaniline		1600	IU
89-32-9-----Acenaphthene		330	IU
51-19-2-----1,4-Dinitrobenzene		1600	IU
100-02-7-----4-Nitrobenzene		1600	IU
122-64-3-----2-Benzofuran		330	IU
121-14-2-----2,4-Dinitrotoluene		330	IU
94-66-2-----Diethylphthalate		330	IU
7005-72-3-----4-Chlorophenyl-phenylether		330	IU
86-73-7-----Fluorane		330	IU
100-01-2-----4-Nitroaniline		1600	IU
524-52-1-----4,6-Dinitro-2-Methylphenol		1600	IU
88-30-2-----N-Nitrosodiphenylamine (1)		330	IU
101-55-3-----4-Ethoxyenyl-phenylether		330	IU
113-74-1-----Hexachlorobenzene		330	IU
97-28-5-----Pentachlorophenol		1600	IU
95-01-2-----Phenanthrene		330	IU
120-12-7-----Anthracene		330	IU
94-74-2-----Di-n-Butylphthalate		330	IU
206-44-0-----Fluoranthene		330	IU
129-00-0-----Pyrene		330	IU
95-88-7-----Butylbenzylphthalate		330	IU
91-94-1-----3,3'-Dichlorobenzidine		660	IU
56-55-3-----Benz(a)Anthracene		330	IU
218-01-9-----Chrysene		330	IU
117-31-7-----bis(2-Ethylhexyl)Phthalate		330	IU
117-84-0-----Di-n-Octyl Phthalate		330	IU
205-99-2-----Benz(b)Fluoranthene		330	IU
207-08-9-----Benz(k)Fluoranthene		330	IU
50-02-8-----Benz(a)Pyrene		330	IU
189-09-5-----Indeno[1,2,3-cd]Pyrene		330	IU
53-70-3-----Dibenz(a,h)Anthracene		330	IU
181-24-2-----Benz(g,h,i)Perylene		330	IU

(1) - Cannot be separated from Diphenylamine

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AR303866

SEMOVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLK04

Lab Name: <u>CEIMIC CORP</u>	Contract: <u>68D30028</u>	
Lab Code: <u>CEIMIC</u>	Case No.: <u>15838</u>	SAS No.: _____ SDG No.: <u>CBE27</u>
Matrix: (soil/water) <u>SOIL</u>		Lab Sample ID: <u>S0215-B1</u>
Sample wt/vol: <u>30.0</u> (g/mL) <u>S</u>		Lab File ID: <u>A7275</u>
Level: (low/med) <u>LOW</u>		Date Received: <u>02/15/91</u>
% Moisture: not dec. <u> </u> dec. <u> </u>		Date Extracted: <u>02/15/91</u>
Extraction: (Sep/F/Cont/Sonic) <u>SONC</u>		Date Analyzed: <u>04/03/91</u>
GPC Cleanup: (Y/N) <u>N</u>	pH: <u>7.0</u>	Dilution Factor: <u>1.00</u>

CONCENTRATION UNITS:
 Number TICs found: 5 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000000	Unknown	4.78	570	IJ
2. 000000	10CH100 isomer	5.07	2100	IJ
3. 000000	Unknown	5.80	1700	IJ
4. 122422	1+Hydroxy-4-methyl-2-pentano	6.35	37000	AIJ
5. 000000	Unknown	7.87	200	IJ

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RECEIPT/TEST OF SAMPLE ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CEMICO CORP. Contract: 62090029 PBLK01
Lab Code: CEMICO Case No.: 12333 SDR No.: SDR No.: 02627
Matrix: soil/water WATER Lab Sample ID:
Sample weight: 100.0 mg Lab File ID:
Level: Low/med LW Date Received:
% Moisture: not dec. dec. Date Extracted: 02/11/81
Extraction: (GasF/Chlor/Soxh) Date Analyzed: 02/16/81
EPC Cleanout: CY/NO N dil: Dilution Factor: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L Q

216-24-2-----alpha-HC	0.050IU
216-25-7-----beta-HC	0.050IU
216-26-8-----gamma-HC	0.050IU
51-28-9-----gamma-HC Lindane	0.150IU
51-14-2-----gamma-HC	0.050IU
51-29-2-----Dieldrin	0.050IU
10124-57-2-----heptachlor epoxide	0.050IU
10125-38-2-----Endosulfan I	0.050IU
10127-1-----Dieldrin	0.10IU
51-28-9-----4,4'-DDT	0.10IU
51-29-2-----DDT	0.10IU
20112-88-3-----Endosulfan II	0.10IU
51-24-2-----4,4'-DDD	0.10IU
10121-37-8-----Endosulfan sulfate	0.10IU
51-29-2-----4,4'-DDT	0.10IU
51-42-2-----Methoxychlor	0.50IU
52434-70-5-----Endrin ketone	0.10IU
5103-71-9-----alpha-Chlordane	0.50IU
5103-74-2-----gamma-Chlordane	0.50IU
2001-25-2-----Toxaphene	1.0IU
111374-11-2-----Aroclor-1012	0.50IU
111374-28-2-----Aroclor-1011	0.50IU
11141-18-5-----Aroclor-1020	0.50IU
52428-21-9-----Aroclor-1141	0.50IU
102372-29-8-----Aroclor-1048	0.50IU
11087-63-1-----Aroclor-1054	1.0IU
11098-91-5-----Aroclor-1260	1.0IU

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ESTIMATED ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK02

Lab Name: CEMICO CORP Contract #: 68D80029

Lab Order #: 15333 SAS No.: _____ SDS No.: 03527

Medium: soil/water Water Lab Sample ID: P0211-81A

Sample wt/vol: 1000 (g/mL) mL Lab File ID: _____

Level: low/med Low Date Received: _____

% Moisture: not dec. dec. _____ Date Extracted: 02/11/81

Extraction: (Sav/F/Cone/Sonic) 85% Date Analyzed: 02/20/81

ECO Cleanout: Y/N N pH: _____ Dilution Factor: 1

CONCENTRATION UNITS:
SAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

210-24-8-----alpha-terpineol	0.050IU
210-23-7-----beta-terpineol	0.050IU
210-23-8-----alpha-terpinol	0.050IU
210-23-5-----gamma-terpinene	0.050IU
21-44-8-----alpha-acid	0.050IU
210-24-1-----beta-acid	0.050IU
110-47-2-----alpha-acidone	0.050IU
920-93-8-----Androstanol I	0.050IU
51-57-1-----Androstanol	0.10IU
71-23-2-----4,4'-DDT	0.10IU
71-24-2-----4,4'-DDE	0.10IU
12110-52-9-----Androstanol II	0.10IU
71-24-3-----4,4'-DDD	0.10IU
11010-07-9-----Androstanol sulfate	0.10IU
51-26-2-----4,4'-DDT	0.10IU
72-42-8-----Methoxychlor	0.50IU
50464-70-8-----Endrin ketone	0.10IU
5102-71-9-----alpha-Chlordane	0.50IU
5103-74-0-----gamma-Chlordane	0.50IU
20001-25-2-----Toxaphene	1.0IU
12374-11-0-----Aroclor-1016	0.50IU
11104-28-3-----Aroclor-1221	0.50IU
11141-18-5-----Aroclor-1102	0.50IU
52462-31-9-----Aroclor-1242	0.50IU
12374-26-8-----Aroclor-1248	0.50IU
11097-88-1-----Aroclor-1254	1.0IU
11096-82-5-----Aroclor-1260	1.0IU

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK03

Lab Name: CEIMIC CORP Contract: 62090028

Lab Order: CEIMIC Case No.: 15526 SAS No.: SDG No.: 08627

Machine: Varian 320 Lab Sample ID: EM15-81

Sample wt/vol: 50 (g/mL) g Lab File ID:

Level: Low/med LCM Date Received:

% Moisture: not dec. dec. Date Extracted: 02/15/81

Extraction: (SocF/Cone/Sonic) Sono Date Analyzed: 03/21/81

GPC Cleanout: (Y/N) N pH: Dilution Factor: 1

SAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/Kg
213-34-6-----alpha-BHC		6.000	1
213-22-7-----beta-BHC		0.000	1
213-33-8-----gamma-BHC		0.000	1
213-20-5-----gamma-BHC Linoleic		0.000	1
71-44-8-----alpha-Heptadecene		0.000	1
213-10-1-----Alpha-1		0.000	1
111-08-3-----beta-methyl alpha-oxo-		0.000	1
620-22-8-----Endosulfan I		0.000	1
51-07-1-----Dieldrin		0.000	1
71-22-5-----4,4'-DDT		0.000	1
71-20-2-----Endosulfate		0.000	1
22117-12-3-----Endosulfan II		0.000	1
71-24-8-----4,4'-DD		0.000	1
1421-07-8-----Endosulfan sulfate		0.000	1
51-26-2-----4,4'-DDT		0.000	1
71-43-5-----Methoxychlor		0.00	10
52494-70-3-----Endrin ketone		10	10
5103-71-6-----alpha-Chlordane		80	10
5103-74-2-----gamma-Chlordane		90	10
8001-25-2-----Taxaphene		160	10
12274-11-2-----Aroclor-1016		80	10
11104-18-2-----Aroclor-1221		80	10
11141-18-8-----Aroclor-1222		80	10
52488-21-8-----Aroclor-1242		80	10
11272-29-8-----Aroclor-1248		90	10
11097-68-1-----Aroclor-1254		160	10
11095-82-5-----Aroclor-1260		160	10

FORM I PEST

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AR303870